



**F.H. BRUNDLE**

SERVING THE TRADE SINCE 1889

# PAINTS & COATINGS

The secret to achieving the perfect finish





Vynylast Semi Gloss Smithy Black, page 9.

Welcome to Brundle paints & coatings.

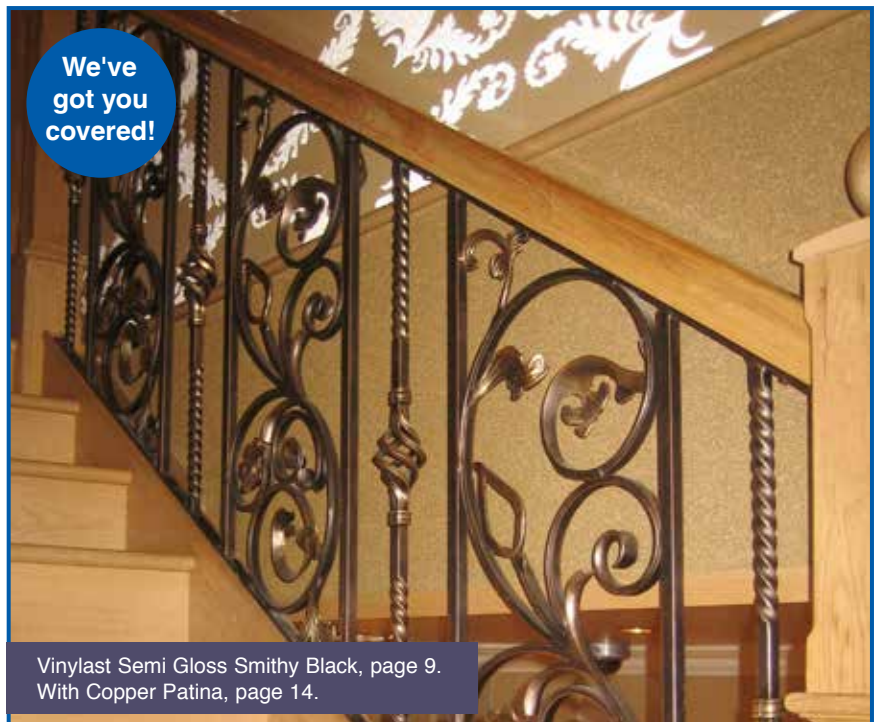
We offer an excellent range of paints which will hopefully meet the needs of our customers. We are always happy to provide advice where needed. Our British made paints have also successfully been exported to diverse places such as Bahrain and Canada and stand up well in the wide range of temperatures these countries experience.

Our high quality paints and coatings are designed for ironwork. The range includes everything from great value commercial red oxides and other primers, to Vynylast™, enamel topcoats, and gold paint. We also offer decorative patinas for highlighting wrought ironwork to produce a special finish.

We hope this booklet will provides you with useful advice, information and tips.

## Index

Introduction.....	3
Preparation.....	4
Cold Galvanise Protection.....	5
Primers.....	6
Topcoats.....	7
Patinas & Staygold Paint.....	14
Touch Up Paints & Aerosols.....	16
Accessories.....	17
Coverage Information.....	18
Thinners & Solvents.....	20
Troubleshooting.....	21
Health & Safety Advice.....	25
Quick Check Charts.....	26
Useful Information.....	31



Vynylast Semi Gloss Smithy Black, page 9.  
With Copper Patina, page 14.





Vynylast Semi Gloss Smithy Black, page 9. With Copper Patina, page 14

## Protecting Ironwork

Protecting ironwork from rust is paramount. Whichever paint is used, it is advisable to check the coating has been applied to the correct thickness. For this we suggest using a wet film thickness gauge code: **29PTG01**, an electronic dry film thickness gauge can also be used. Both will ensure that the correct amount of paint has been applied.

As with all paint products, drying times may vary according to temperature, humidity and film thickness. Some coatings may take considerable time to be fully cured. We recommend any paintwork is fully dry before handling.

**Please Note:** Electronic dry film thickness gauges may include the thickness of any galvanising. Check before painting and again when the paint has dried, the difference between the readings will be the dry film thickness.

## To Galvanise Or Not To Galvanise?

Galvanising offers the best possible rust protection and will keep future maintenance to a minimum. We recommend that ironwork is hot dipped galvanised to the appropriate British Standard. It should then be allowed to dry thoroughly before painting. Depending on temperature and humidity, this can take up to 48 hours or more. Galvanising is not usually required for internal work.

**Please Note:** Applying paint on top of a galvanised surface will protect the zinc coating and considerably increase the lifespan. Using some paints, such as Vynylast™, may not even require pre-treatment.

MSDS information can be found if you look at the relevant product codes on our website.

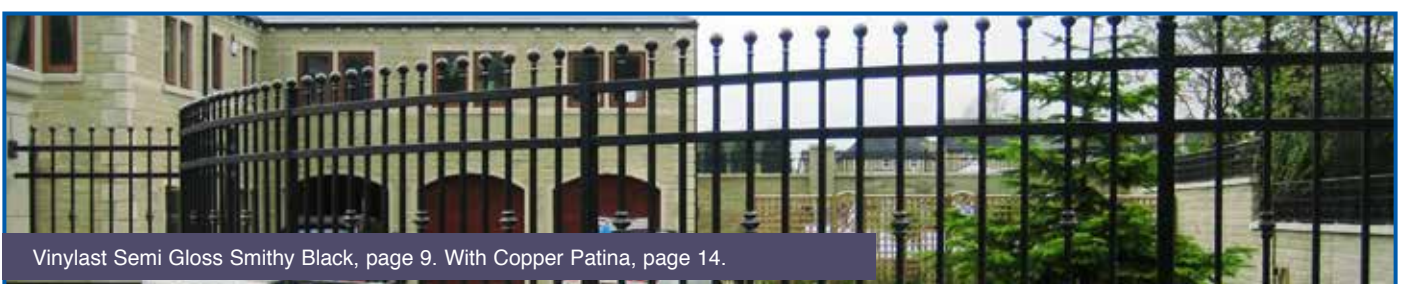
**For further information about galvanizing, please visit [www.galvanizing.org.uk](http://www.galvanizing.org.uk)**



Vynylast Semi Gloss Smithy Black, page 9.  
With Copper Patina, page 14.



Vynylast Semi Gloss Graphite Grey, page 9.  
With Silver Patina, page 14.



Vynylast Semi Gloss Smithy Black, page 9. With Copper Patina, page 14.

# Preparation



To achieve the best results, it is important that work is cleaned and prepared correctly before painting and highlighting.

For non-galvanised steel, please ensure that the work is clean and dry, free from oil, rust or mill-scale, etc. Our Panelwipe, code: **29PW05** is ideal for cleaning surfaces, or for the best results and to help adhesion, mild steel surfaces could be blast-cleaned or wire brushed thoroughly before painting.

- Ensure all surfaces are clean, dry and free from oil or grease
- If the surface is glossy, abrasion or blast-cleaning may be required
- Always mix the paint thoroughly before use
- Use the appropriate thinners sparingly, adding too much may mean additional drying time or more coats may be required
- Non-galvanised work usually requires priming\*
- Galvanised steel may require a Mordant 'T' wash code: **29MTW05** to help adhesion
- Always use appropriate personal protective equipment (PPE)
- Always follow manufacturer's instructions

Helpful guides can also be found in the paint section of our website [www.fhbrundle.co.uk](http://www.fhbrundle.co.uk)

If the work is contaminated with oil or grease we recommend Panelwipe, this will clean the surface and assist adhesion and can be applied with a clean rag or brush.

**Please Note:** The affected areas need to be wiped clean and left to dry before painting.

\*Vinylast™ may not need priming initially

## Panelwipe



Litres	Code
5.0	<b>29PW05</b>

## Low Lint Textelene Cloths

Pack of 150



Code
<b>29RT150</b>

## Non Woven Lint Free Cloths

Pack of 400



Code
<b>29SW68</b>

For newly-galvanised steel, please ensure that any sharp points have been removed, it is free from dust, oil or grease and thoroughly dry before painting. If the galvanised surface is very shiny, it may require abrading or a pre-treatment. For best results we recommend Mordant 'T' wash code: **29MTW05**.

## Mordant 'T' Wash



Litres	Code
5.0	<b>29MTW05</b>



Vinylast Semi Gloss Smithy Black, page 9.  
With Silver Patina, page 14.





# Cold Galvanise Protection

If extra protection is required we have a range of high quality cold galvanise coatings, available in both aerosols and brushing paints. Choose your solution for repairing and protecting your metalwork from the products below.

To repair damaged zinc surfaces, use our ZG-90 glossy cold galvanise spray, code: **2902A**, which is also available in black or matt silver finish. These are also excellent anti-corrosion coatings. A Brushable silver option, code: **2902ABR** is also available in a glossy finish. Our Galvalast Grey, code: **2903** can be used help prevent corrosion and provide protection.

**ZG-90 Glossy Black**  
RAL 9005



ml	Code
500	<b>2902B</b>

Cold zinc galvanise spray for long term protection against rust and corrosion with a glossy finish.

**ZG-90 Glossy Silver**



ml	Code
500	<b>2902A</b>

Cold zinc galvanise spray for long term protection against rust and corrosion with a glossy finish.

**MZ-90 Matt Silver**



ml	Code
500	<b>2902M</b>

**Light Zinc Spray**



ml	Code
400	<b>2902L</b>

Suitable for various hardware.

**ZG-90 Glossy Silver**  
RAL 9006



ml	Code
500	<b>2902ABR</b>

Best for rollers and brush.

**Galvalast Grey**



ml	Code
400	<b>2903.</b>

Thinner code: **29WS05**. Best for rollers and brush.



Vynylast Semi Gloss Smithy Black, page 9.  
With Copper Patina, page 14.



Vynylast Semi Gloss Smithy Black, page 9.  
With Copper Patina, page 14.



Using primers helps protect ironwork and form a base for topcoats. Our primers, available in red, grey and black, are excellent value, hard-wearing, and suitable for many coverage applications. Our anti-rust oxide primers can be used on clean or slightly rusted metal. They are quick-drying and can be used under most topcoat paints. Zincaphos QD ZP grey brushable primer is specifically designed for use with Brundle Brushable Enamels, see page 12.

### High Build Red Oxide



Litres	Code
2.5	<b>29BRO025</b>
5.0	<b>29BRO05</b>
20.0	<b>29BRO20</b>

Thinner code: **29002**.

### Black Primer



Litres	Code
2.5	<b>29BBP025</b>
5.0	<b>29BBP05</b>
20.0	<b>29BBP10</b>

Thinner code: **29002**.

### Zincaphos QD ZP Grey



Litres	Code
1.0	<b>29ZQDP01</b>
5.0	<b>29ZQDP05</b>
20.0	<b>29ZQDP20</b>

Thinner code: **29002**. Quick drying and ideal for spraying.

### Zinc Phosphate Grey



Litres	Code
2.5	<b>29BZPGP025</b>

Thinner code: **29WS05**. Best for rollers and brushing.



We have a wide range of excellent topcoats for painting mild steel or galvanised work. They include Vinyl and Enamel options:

### Vynylast™ A pure vinyl paint

Our range of top quality Vynylast™ paints are perfect for decorative and commercial ironwork including gates and railings. Vynylast™ is not modified to ensure the best results. This range is long lasting and also ideal for using on galvanised steel with minimum pre-treatment. Vynylast™ is also available in a wide range of RAL colours. Special colours may also be available to order subject to a minimum quantity.

### Thinners For Vynylast™ Paints

For the best results when using Vynylast™ paints we recommend using Brundle Industrial QD Thinners, code: **29002** for 5 litres or code: **2900225** for 25 litres. This is a high-quality xylene based solvent which will help the work dry faster than standard thinners.

Use thinners sparingly adding the minimum required for your equipment. Adding too much thinners may lead to runs, extra coats being required, insufficient film thickness or may increase the drying time. Other products may require different thinners, it is important to use the correct one.

**Please Note:** Do not use White Spirit with Hi-Build Vinyl paints.

**ENAMELS, HAMMERED & METALIC FINISHES CAN BE FOUND ON PAGE 13**



Vynylast Semi Gloss Graphite Grey, page 9.  
With Silver Patina, page 14.



Vynylast Semi Gloss Smithy Black, page 9.  
With Staygold, page 14.



## Vynylast™



We offer the finest quality Vynylast™ paint which does not usually require pre-treatment or primer. Two coats\* will give a long-lasting finish on galvanised ironwork and although we recommend that it is best applied by spraying, small areas may be brushed. Vynylast™ Gloss is specially formulated to give a glossier finish. It can be applied in the same way, but should only ever be used on top of a Matt or Semi-Gloss first coat.

\*The finished dry film thickness must be a minimum of 80µ (microns) dry film thickness (d.f.t.) and we recommend 120µ in coastal regions. Depending on the application method, it may require a number of coats to achieve this thickness. If the work is bright and shiny, or if painting aluminium, then we recommend that you use our Mordant 'T' wash, code: **29MTW05**, before painting.

- Ideal for structural steelwork and decorative ironwork
- For use on aluminium and for very bright shiny galvanised surfaces we recommend pre-treatment with Mordant 'T' wash code: **29MTW05**
- Rapid drying, non-drip and chip resistant
- Easy to touch up or repaint in the future
- Tough, flexible film, resistant to aqueous chemicals
- Excellent adhesion to freshly hot dipped galvanised ironwork and non-galvanised steel
- Cross-cut and impact adhesion far superior to conventional alkyd paints
- Much less long-term maintenance required: only one coat needed when repainting
- Use with our Patinas to produce beautiful antique and highlighted finishes
- Wide range of colours and sheens available

Vynylast™ has stood up well to the hot temperatures of the Middle East and to the cold winters of Canada. Further information and Safety Data Sheets can be found on our website [www.fhbrundle.co.uk](http://www.fhbrundle.co.uk) by searching under the product code.

Vynylast™ is a superior product intended for professional users and is designed to enhance and protect decorative ironwork by producing a very long-lasting, low maintenance finish that can be highlighted with Patina paints to provide a beautiful appearance.

Vynylast™ is intended for the decorative wrought iron market and provided the surface is well prepared and not too shiny, will adhere directly to galvanised steel usually without the need for mordant solution or etch primer. It is also a high quality and excellent value coating for non-galvanised work.

If you require a special colour, we can produce any RAL or BS colour to order, although a minimum of 5 litres will usually be required. Please allow a little more time to have non-standard colours made to order. As with all our paints, it is important to follow the instructions to get the best results.

**Please Note:** as Vynylast™ does not require an undercoat, it is essential to apply the correct thickness of paint in several coats.

### Vynylast™ Colour Range

We stock a range of colours and can sizes to meet most popular needs. Vynylast™ Gloss (only for use as a topcoat) and Vynylast™ Matt sheens are also available. Graphite (a modern grey paint with a hint of sparkle) and Anthracite are high quality metallic finishes. Sparkle Silver will give any ironwork a contemporary appearance. When used with of our Patina paints these colours provide outstanding finishes and can easily be painted over at a later date.

RAL colour charts can be found at [www.ralcolor.com](http://www.ralcolor.com) and BS colours at [www.britishstandardcolour.com](http://www.britishstandardcolour.com)



**Please Note:** Vynylast™ Gloss should only be used as a final coat over the top of a Vynylast™ Matt or Semi-Gloss base. A topcoat of Vynylast™ Gloss will give a higher sheen finish but will be slightly less glossy than an enamel.

**Gloss Smithy Black**  
RAL 9005



Litres	Code
0.4	29RGS*
1.0	29RGB01
5.0	29RGB05
20.0	29RGB20

\*Touch up spray paint.

**Semi Gloss Smithy Black**  
RAL 9005



Litres	Code
0.4	29RSBS*
1.0	29RSB01
2.5	29RSB025
5.0	29RSB05
20.0	29RSB20

\*Touch up spray paint.

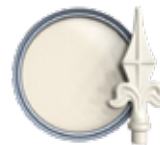
**Matt Smithy Black**  
RAL 9005



Litres	Code
0.4	29RMBS*
1.0	29RMB01
2.5	29RMB025
5.0	29RMB05
20.0	29RMB20

\*Touch up spray paint.

**Semi Gloss White**  
RAL 9010



Litres	Code
2.5	29RSW025
5.0	29RSW05

**Semi Gloss Anthracite**



Litres	Code
2.5	29RSA025

Contains a slight sparkle.

**Semi Gloss Blue**  
BS 381C 166



Litres	Code
2.5	29RSBL025

**Semi Gloss Brown**  
BS 10 B 29



Litres	Code
2.5	29RSBR025

**Semi Gloss Stone Grey**  
RAL 7030



Litres	Code
2.5	29RSG025

**Semi Gloss Graphite Grey**



Litres	Code
2.5	29RSGG025

Contains a slight sparkle.

**Semi Gloss Green**  
RAL 6005



Litres	Code
2.5	29RSMG025

**Semi Gloss Red**  
RAL 3000



Litres	Code
1.0	29RSR01

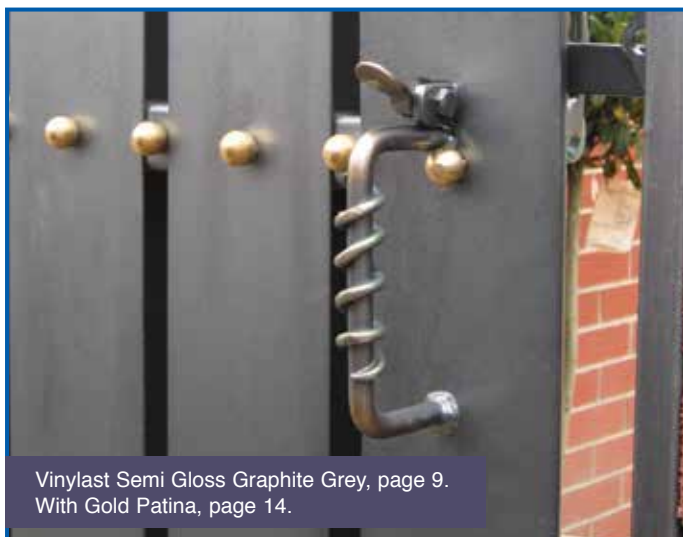
**Semi Gloss Sparkle Silver**



Litres	Code
2.5	29RSS025

### Aluminium

When painting aluminium and to aid adhesion we recommend the surface be abraded and Mordant 'T' wash code: **29MTW05** is used prior to painting with Vynylast™.



Vynylast Semi Gloss Graphite Grey, page 9.  
With Gold Patina, page 14.



Vynylast Semi Gloss Smithy Black, page 9.  
With Copper Patina, page 14.

## Vynylast™

### APPLICATION

After suitable preparation, we recommend spraying Vynylast™ to the appropriate film thickness following the instructions. A minimum of 2 to 3 coats is usually required to achieve the desired film thickness. To achieve a long-lasting finish, the first coat should be applied with at least 40 microns dry film thickness. For best results a minimum of 80 microns is desirable, with 120 microns in coastal conditions.

### USEFUL TIPS

- When using black over black, spraying areas, a slightly different colour for the first coat such as Vynylast™ Stone Grey RAL 7030 will help ensure that no areas have been missed.
- When spraying intricate ironwork, paint small and less accessible areas with a brush first to ensure awkward corners or joints are not missed.

### BEST RESULTS WHEN USING VINYLAST™

- Clean the metal surface prior to painting. We recommend wiping the work down with our Panelwipe code: **29PW05** and a Low Lint Texteline Cloth code: **29RT150** or Non Woven Lint Free Cloth code: **29SW68**.
- Vynylast™ is self-priming and only requires the correct film thickness to be applied. Never apply over conventional primers or other paints without testing compatibility first.
- Always apply at the correct film thickness and use a Wet Film Thickness Gauge code: **29PTG01** to check. Insufficient film thickness can increase maintenance requirements.
- The first coat should be about 40 microns d.f.t. Too thin a coat may impair adhesion.
- Vynylast™ Gloss should only ever be used as a final coat on top of coat(s) of Vynylast™ Matt or Semi Gloss.
- For best results always use Industrial QD Thinner code: **29002** for 5 litres or **2900225** for 25 litres. Use thinners sparingly.
- Phosphate Grey code: **29BZPGP025** is not a suitable primer for Vynylast™.

**Please Note:** The xylene solvents used in Vynylast™ may react with certain items such as some types of electrical cables or plastics, including bubble wrap. We recommend testing samples if used next to rubber or plastic materials. If Vynylast™ is to be used on light fittings or may come into contact with cables, a barrier of clear varnish **MUST** always be used.

Please check our Advice Sheets for further information online at [www.fhbrundle.co.uk](http://www.fhbrundle.co.uk)

### ALWAYS PREPARE THE SURFACE CORRECTLY

All surfaces must be dry, sound and free from dirt, dust, rust or grease.

For best results, non-galvanised mild steel surfaces should be blast cleaned or thoroughly wire brushed.

### GALVANISED STEEL

- Dull or matt galvanised steel will give the best results
- All work must be clean and thoroughly dry before painting. For best results use Panelwipe code: **29PW05** and a Non-Woven Lint Free Cloth code: **29SW68**.
- Remove any "white rust" or zinc corrosion deposits that may appear on weathered galvanised steel with plenty of water. Allow to dry thoroughly.
- Galvanised steel which has been contaminated with oil or grease should be thoroughly cleaned to remove all traces prior to coating. For best results use Panelwipe code: **29PW05** and a Non Woven Lint Free Cloth code: **29SW68**.
- Chromated galvanised steel should be alkali cleaned to remove the chromate passivation.
- Bright spangled galvanised steel will often require preparing with Mordant 'T' wash code: **29MTW05** or thoroughly abrading using P600 wet or dry abrasive paper (or similar) before painting.

### ALUMINIUM:

To help with adhesion treat with Mordant 'T' wash code: **29MTW05** or abrade lightly using P600 wet or dry abrasive paper (or similar) before painting.

- Application:** For best results always apply correctly following instructions.
- Film thickness:** Ensure the minimum total film thickness is 80 microns dry and 200 microns wet. For coastal or extreme environments, we recommend that you should increase the film thickness to 120 microns ( $\mu\text{m}$ ) dry and 300 microns wet, to ensure white zinc salts do not migrate through the coating to the surface.
- Airless spray:** Up to 5% thinners may be added to suit equipment. Apply one or two heavy coats. Typical tip size 13-19 thou. Typical fluid pressure 200 kg/sq. metre or 2800 p.s.i.
- Conventional spray:** Thin up to 10% with Industrial QD Thinners, code: **29002** for 5 litres or code: **2900225** for 25 litres, less is better. Apply 2 to 3 coats to achieve the recommended 80 microns d.f.t. (dry film thickness)
- Brush/Roller:** Apply 3 to 4 coats evenly using a well-loaded brush. Allow to dry between coats. Do not attempt to brush out or lay off.
- Thinners:** For best results when painting Vynylast™ use the minimum required of our Industrial QD Thinner code: **29002** for 5 litres or **2900225** for 25 litres.

### Future Maintenance of Vynylast™

When applied to the correct film thickness Vynylast™ is long-lasting and requires very low maintenance, it will look good for many years and is also very easy to repaint when required. It can also be easily highlighted using Patinas and a sponge to provide a unique finish, see page 14.

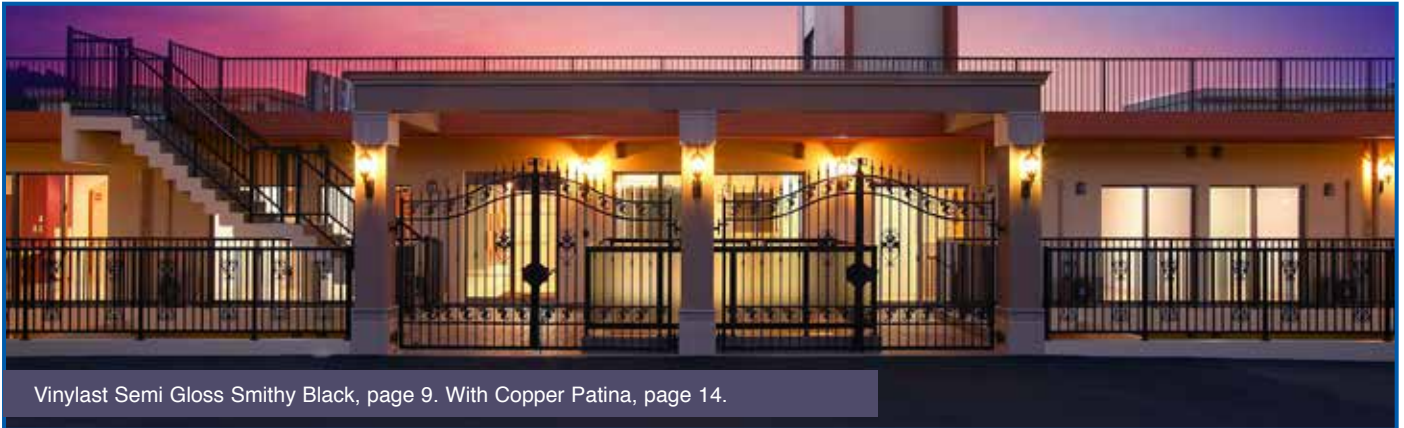
### Useful Tips:

- Any colour Vynylast™ (except Gloss finish) can be used as a first coat. This works best when a spray is used.
- If a different colour first coat is applied (e.g. Dark Grey under Black) it is easier to see what has been sprayed the first time, ensuring an even coat is applied and helping maintain film thickness.





## Enamel Finish



With enamel topcoats the finished surface is harder than a vinyl based paint and is suitable for both internal and external use. Enamel finish paints will stand up to mechanical abrasion better than vinyl based paints and are therefore perfect for some types of work such as handrails, seating, or furniture. F.H.Brundle offers two distinct types of enamel finishes for brushing or spraying, Brundle Brushable Enamel and Enamelrite.

**Please Note:** Both these products use different solvents and require different application methods. It is always important to always use the correct thinners for each product.

### Brundle brushable enamel

Brundle Brushable Enamel is excellent for painting smaller areas by brush and suitable for items such as light fittings where the solvents are less likely to have a reaction with cables, plastics or rubber. We offer a choice of satin or gloss sheens. If a satin finish with patina highlights is required, Brundle Brushable Enamel is the ideal choice. Available in Black RAL 9005, 2.5 litre cans. Use with our White Spirit code: **29WS05** as necessary.

**Please Note:** Brundle Brushable Enamel should not be used over the top of any xylene based products.

### Application

- |                |  |
|----------------|--|
| 1) Primer      | Zinc Phosphate Grey Primer code: <b>29BZPGP025</b> |
| 2) Top coat(s) | Brundle Brushable Enamel                           |
| 3) Thinners    | White Spirit code: <b>29WS05</b>                   |
| 4) Highlight   | Patinas or Staygold                                |

#### Gloss Black RAL 9005



Litres	Code
2.5	<b>29BEGB025</b>

Thinner code: **29WS05**.

#### Satin Black RAL 9005



Litres	Code
2.5	<b>29BESB025</b>

Thinner code: **29WS05**.

Enamelrite is a high quality spray-on enamel coating suitable for internal and external use. It is available in gloss and satin sheen, in black RAL 9005 and a gloss white RAL 9010, in 5 litre cans.

### Application

- 1) Primer           Zincaphos QD ZP Grey Primer code: **29ZQDP01** for 1 litre, **29ZQDP05** for 5 litres or **29ZQDP20** for 20 litres
- 2) Topcoat(s)    Enamelrite - Sprayable Enamel
- 3) Thinners       Industrial QD Thinner code: **29002** for 5 litres, and **2900225** for 25 litres
- 4) Highlight      Patinas or Staygold

#### Gloss Black RAL 9005



Litres	Code
5.0	<b>29EGB05</b>

Thinner code: **29002**.

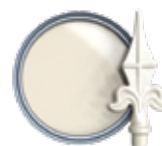
#### Satin Black RAL 9005



Litres	Code
5.0	<b>29ESB05</b>

Thinner code: **29002**.

#### Gloss White RAL 9010



Litres	Code
5.0	<b>29EGW05</b>

Thinner code: **29002**.

### Hammered Finish

Hammered Finish paints are suitable for hiding uneven surfaces and imperfections yet still producing an attractive finish. We stock Black in 1 litre and 5 litre cans, and Silver Grey in 5 litre cans.

### Useful Tip

Always remove any loose material and wire brush rusty ironwork before painting.

#### Black



Litres	Code
1.0	<b>29H1B</b>
5.0	<b>29H5B</b>

Thinner code: **29002**.

#### Silver Grey



Litres	Code
5.0	<b>29H5SG</b>

Thinner code: **29002**.



### Metallic Finish

Our metallic paints are high quality, quick-drying liquid metal paints that offer a rich sheen finish and provide a unique and traditional decorative coating. These paints are suitable for both internal and external use on many substrates and offer a luxurious finish. Our high quality Staygold (code: **29007**) will keep its colour long after many other paints fade. These are specially designed to paint railheads and other details to give a solid gold-coloured appearance. Using Vynylast™ Sparkle Silver will give a very modern look to most ironwork.

#### Staygold



Litres	Code
1.0	<b>29007</b>

Thinner code: **29WS05**.

#### Vynylast™ Semi Gloss Sparkle Silver



Litres	Code
2.5	<b>29RSS025</b>

Thinner code: **29002**.

# Patinas & Staygold Paint



Vynylast Semi Gloss Graphite Grey, page 9. With Patina range, page 14.

These products can be applied over Vynylast™ or other topcoats. When highlighting, we would recommend starting with a light layer of Patina and build up as necessary. Staygold is perfect for painting railheads and details and to give a solid gold appearance. It will last outdoors much longer than many other alternative gold paints.

## Staygold

For parts which require a solid gold colour, we recommend using Staygold. An exceptionally high quality paint, Staygold stays bright longer than many other gold paints which may tarnish.

### Useful Tips

- We recommend applying Patina to a small test area first to ensure the appropriate finish is obtained.
- Apply at least 2 coats of Staygold
- For best results, we recommend using Patinas with Semi-Matt or Matt sheens. Although Patinas can be used over Gloss, the results may not be as subtle

### Staygold



Litres	Code
1.0	29007

Thinner code: 29WS05.



Vynylast Semi Gloss Smithy Black, page 9. With Staygold, page 14.

## Patinas

Used for highlighting, our Patinas are high quality products specifically developed to enhance the appearance of decorative wrought iron. Our Patinas are tried and tested and will out-perform most alternatives. When highlighting, we would recommend starting with a light layer of Patina and build up as necessary. Best applied by sponge, our Patinas are formulated to keep their colour for many years. They are also used to provide a range of modern finishes, offering customers a wider choice of colours. Choose the perfect colour from our Patina paint range to give your wrought iron that aged iron look. Silver can look quite contemporary when used over black.

### Copper



ml	Code
375	29P001

Thinner code: 29WS05.

### Gold



ml	Code
375	29P002

Thinner code: 29WS05.

### Silver



ml	Code
375	29P003

Thinner code: 29WS05.

### Verdigris Dark Green



ml	Code
375	29P004

Thinner code: 29WS05.

N.B. Gloss finishes may not highlight as satisfactorily with Patinas as will Matt or Semi-Matt sheens.

**Try mixing colours together, or applying one on top of another to create your own special effects!**

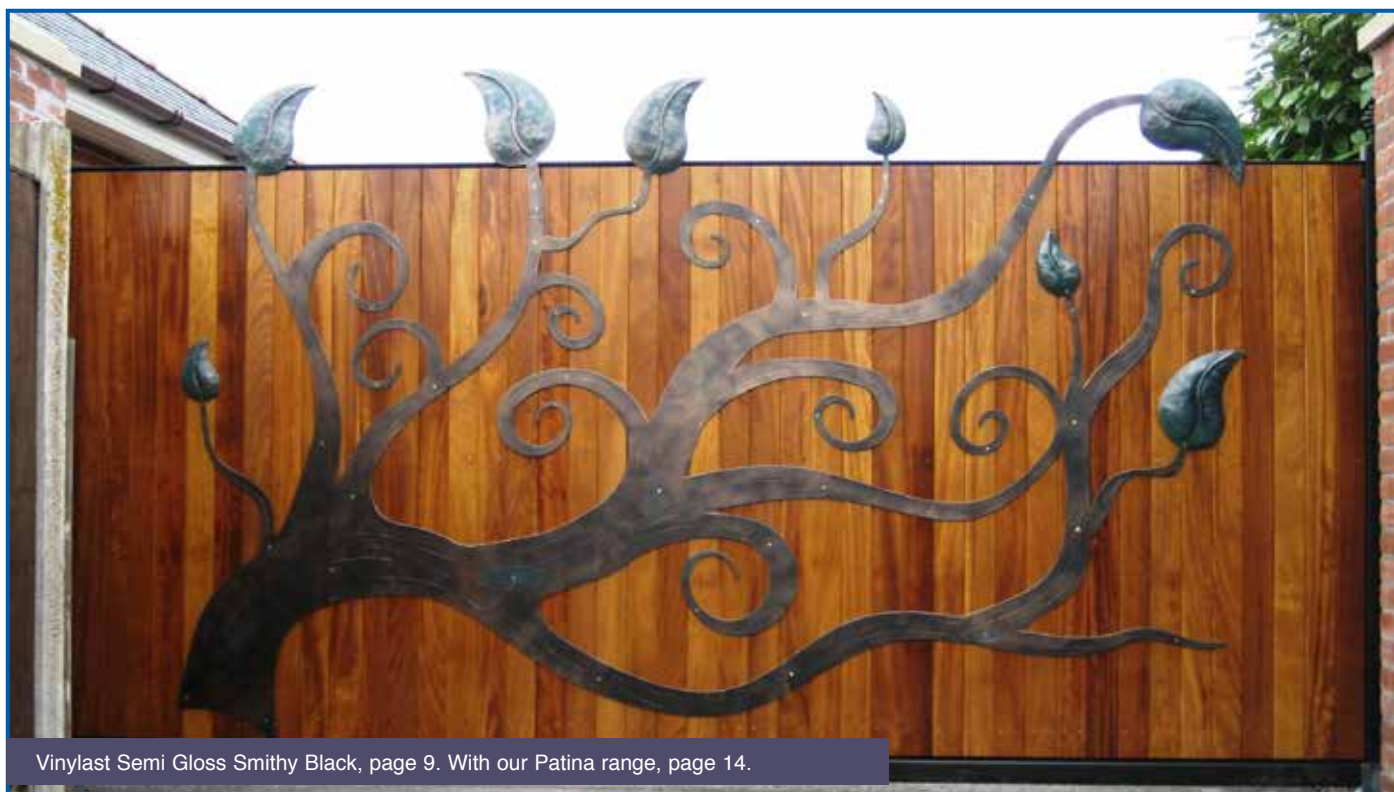


## Application By Brush

Patinas should be carefully applied after painting. Use an almost dry brush loaded with very a small amount of Patina, drag this along the work to be highlighted. Alternatively, use the sponge method or an air brush. Try applying on a small area to practice first.

## Application By Sponge

- Use a dense sponge code: **29FOAM**
- Always stir the Patina well before applying
- The Patina needs to be a slightly thick consistency and initially it is better not to add thinners. However if the Patina has been used several times and has thickened due to the evaporation of the solvents, a small amount of White Spirit code: **29WS05** can be added. it is better to try only a very small amount and stir well, before adding more if necessary.
- Pour a small amount of Patina onto a piece of cardboard, minimum recommended size 300 x 300mm
- Dip the sponge into the Patina, wiping any excess from the sponge onto the cardboard. Too much may result in a streaky finish (try applying lightly to a small area until you are happy with the result).
- Wipe the sponge lightly onto the section of ironwork to be highlighted and repeat as necessary to achieve the desired effect.
- After use, make sure that you replace the lid correctly to prevent evaporation of the solvent.



# Touch Up Paint



We have a wide range of aerosol sprays for touching up scratches including our RX-90 Red Oxide primer code: **2904A**. Our Vinylast™ aerosols match the Vinylast™ paints and are ideal for touching up small areas on site.

**Gloss Smithy Black**  
RAL 9005



ml	Code
400	<b>29RGBS</b>

**Semi Gloss Smithy Black**  
RAL 9005



ml	Code
400	<b>29RSBS</b>

**Matt Smithy Black**  
RAL 9005



ml	Code
400	<b>29RMBS</b>

**RX-90 Red**  
RAL 3009



ml	Code
500	<b>2904A</b>

## Touch Up Spray Paint To Match Powder Coating

Ideal for touching up scratches and any damage to powder coated products.



Colour	Code
Black Sand	<b>29PC400SBS</b>
Gloss Black RAL 9005	<b>29PC400SB</b>
Gloss White RAL 9016	<b>29PC400SW</b>
Gloss Green RAL 6005	<b>29PC400SG</b>
Gloss Signal Yellow RAL 1003	<b>29PC400SSY</b>
Gloss Basalt Grey RAL 7012	<b>29PC400SA</b>
Gloss Serengeti Sand RAL 1019	<b>29PC400SSSG</b>

400ml.

Colour	Code
Matt Oyster White RAL 1013	<b>29PC400SOW</b>
Matt Serengeti Sand RAL 1019	<b>29PC400SSS</b>
Matt Umbra Grey RAL 7022	<b>29PC400SUG</b>
Matt Pebble Grey RAL 7032	<b>29PC400SLS</b>
Matt Mineral Grey RAL 7045	<b>29PC400SMG</b>
Matt Terra Brown RAL 7028	<b>29PC400STB</b>
Matt Basalt Grey RAL 7012	<b>29PC400SAM</b>

400ml.

Colour	Code
Anthracite RAL 7016	<b>29PC400SASY</b>
Black RAL 9005	<b>29PC400SBSY</b>
Serengeti Sand RAL 1019	<b>29PC400SSSY</b>

400ml. Only for use with Synergised Original aluminium deck boards.

## Touch Up Paint To Match Powder Coating

Ideal for touching up scratches and any damage to powder coated products.



Colour	ml	Code
Black Sand	125	<b>29PC125TBS</b>
Gloss Black - RAL 9005	125	<b>29PC125TB</b>

Supplied with brush.

Colour	ml	Code
Gloss White - RAL 9016	125	<b>29PC125TW</b>
Gloss Green - RAL 6005	125	<b>29PC125TG</b>

Supplied with brush.

**Brushable Gloss Black**  
RAL 9005



Litres	Code
1.0	<b>29PC1BB</b>

**Brushable Black Sand**



Litres	Code
1.0	<b>29PC1BBS</b>

**Brushable Gloss Green**  
RAL 6005



Litres	Code
1.0	<b>29PC1BG</b>

Many RAL colours can be made to order in batches of 6 or more cans.

**USEFUL Accessories Include:**

- Wet film thickness gauges which are used to check how much paint has been applied.
- Cloths for cleaning off work, spray equipment, and many other uses around the workshop. Low lint texteline cloths come in a pack of approximately 150 pieces, whilst non-woven lint free cloths are available in a pack of 400
- Sponges for applying Patinas

**Low Lint Texteline Cloths**

Pack of 150



<b>Code</b>
<b>29RT150</b>

Box 340 x 340 x 260mm.

**Non Woven Lint Free Cloths**

Pack of 400



<b>Code</b>
<b>29SW68</b>

Box 420 x 300 x 160mm.

**Wet Film Thickness Gauges**



<b>Code</b>
<b>29PTG01</b>

Plastic.

**Sponge**

For applying Patina paint



<b>Code</b>
<b>29FOAM</b>



Vynylast Semi Gloss Graphite Grey, page 9. With Copper Patina, page 14.



A question we are often asked is how much paint is needed to paint (x) metres of railings?

Many paint manufacturers will offer a 'theoretical coverage' as a guide; however practical coverage is usually only a percentage of this figure. The work being painted may vary considerably from one project to the next. There are many factors which affect coverage.

## Vynylast™ Theoretical Coverage

For Vynylast™, the theoretical coverage is 4 sqm./litre at 235 $\mu$  (microns) wet film thickness. The spreading rate of this product may vary considerably depending upon the method of application and the roughness and porosity of the surface. In practice, this figure may be reduced by up to 40%. Theoretical coverage is obtained by applying the paint onto a flat surface in ideal conditions. With a skilled operative the paint should cover one side of a 4 sqm. surface to the given thickness.

## Practical Coverage

In practice, painting ironwork is different. There are spaces between the bars and the ironwork needs painting on all sides and not just on one flat surface. Plain work will need less paint than very decorative work. Conditions, methods of application and equipment will all affect the theoretical coverage. The figures given below are what has been found, from experience, when painting typical ironwork. These figures are intended as a helpful GUIDE ONLY and we cannot accept responsibility for any variations you may find.

The following figures were obtained by a skilled sprayer, in a spray booth, and gave a dry film thickness of approximately 40 microns d.f.t. Please remember:

- More than one coat is often necessary to achieve the minimum recommended d.f.t. of 80 microns
- In coastal areas we would recommend 120 microns d.f.t.
- Some local authorities may ask for 120 microns d.f.t.
- To achieve 120 microns d.f.t. two or more coats may be required. This depends on equipment used, skill level of the operator and how much thinners have been used.
- We suggest using a contrasting colour (such as dark grey under black) for the first coat to make it easier to see what has already been painted and to ensure that the whole of the work is covered with the following coat.
- We recommend checking the film thickness of the paint with a Wet Film Thickness Gauge code: **29PTG01**.

The figures below are an approximate guide for painting BOTH sides of the ironwork with Vynylast™:

<b>Brush:</b>	250ml per sqm. per 40 microns ( $\mu$ m) d.f.t. coat.
<b>Conventional Spray:</b>	Using a 1.8mm nozzle on a gravity feed gun, 750ml of Vynylast™ was used per sq. metre at per 40 micron d.f.t.
<b>Electrostatic spray:</b>	With electrostatic equipment, 430ml of Vynylast™ was used per sq. metre, per 40 micron d.f.t. coat.
<b>Roller:</b>	We have no figures available at present, but would expect a similar figure to brushing.
<b>Thinners:</b>	For best results use our Industrial QD Thinner, product code: <b>29002</b> .
<b>Aerosols:</b>	Although aerosols are mainly used for touching up on site or painting small items, the theoretical coverage is 2.32 sqm. at 10 microns d.f.t.



# Coverage Information

## Convert Wet And Dry Film Thickness:

Should you need to convert wet and dry film thickness you can do this with the following formulae. You need to know the percentage of solids in the paint.

- WFT = Wet film thickness = 'W'
- DFT = Dry film thickness = 'D'
- Percentage of solids in the paint = 'P' (By volume)
- Percentage of Added Thinners = 'T' (By volume)

## No Added Thinners

$$W = \frac{D}{P} \qquad D = W \times P \qquad P = \frac{D}{W}$$

## With Added Thinners

$$W = \frac{D}{P(1+R)} \qquad D = W \times P \times (1+T) \qquad P = \frac{D}{W} \times \frac{1}{(1+T)}$$

To obtain a dry film thickness of 81 microns using Vinylast™ it will require a total of approx. 300 microns dry film thickness.

## Other Brundle Paint Products

The theoretical coverage rates for our other paints are as follows:

- Enamelrite 10.7m<sup>2</sup> per litre at 30 microns d.f.t.
- Brushable Enamel 10.7m<sup>2</sup> per litre at 30 microns d.f.t.
- Primers, typically Approx. 18.7m<sup>2</sup> per litre at 30 microns d.f.t.

In practice, these figures may be reduced depending on equipment and application.



Vinylast Semi Gloss Smithy Black, page 9 With Copper Patina, page 14.

# Thinners & solvents



For the best results, when thinning paints we recommend using the least amount of thinners necessary. Adding too much can mean the paint taking longer to dry or an additional coat may be required.

- Always mix into the paint thoroughly.
- It is essential that the correct type of solvent is used for the type of paint being used. Using the wrong type of solvent may cause problems.

## Industrial QD Thinner



Litres	Code
5.0	<b>29002</b>
25.0	<b>2900225</b>

For use with Brundle Red Oxide, Brundle Grey Primer, and Brundle brushable vinyl, Enamelrite Zincaphos QD ZP Primer and Vinylast™.

## White Spirit



Litres	Code
5.0	<b>29WS05</b>

Essential for Patinas, Staygold, and Brundle Brushable ZP Grey Primer.

## Mordant 'T' Wash



Litres	Code
5.0	<b>29MTW05</b>

## Panelwipe



Litres	Code
5.0	<b>29PW05</b>

## Gunwash

Use for cleaning spray equipment.



Litres	Code
5.0	<b>29GW05</b>
25.0	<b>29GW25</b>



Vinylast Semi Gloss Smithy Black, page 9.  
With Patina range, page 14.



Vinylast Semi Gloss Smithy Black, page 9.  
With Copper Patina, page 14.



Vinylast Semi Gloss Smithy Black, page 9.  
With Copper Patina, page 14.





This section contains useful information and may help to avoid any problems if read before starting the work. It was written for Vynylast™ and may also be useful with other paint products.

Vynylast™ is a high quality, low maintenance finish specially designed for painting decorative ironwork. Since Vynylast™ was developed in 1990, it has been used on decorative ironwork in the UK, and around the world, with very few problems. However, should you experience anything but total satisfaction, here is a guide to what may have occurred, possible solutions, and how to avoid potential problems the future.

To avoid problems, follow the paint instructions.

- Work must always be clean and dry, and free from dust, oil, or grease before paint is applied
- Clean off any sharp or unsightly areas if the work is newly galvanised
- Always apply paint to the recommended dry film thickness (d.f.t.). We recommend a minimum d.f.t. of 80 microns ( $\mu\text{m}$ ), and up to 125 microns in adverse locations.
- Always use the correct thinners and apply the correct amount of thinners if the paint requires thinning

In the unlikely event a problem should occur, please make a note of the batch number found on the can and the date it was purchased and contact one of our sales staff. Information such as the type of thinners used, how much the paint was thinned down, how the work was painted, if the work was galvanised and any photos of the work are invaluable in solving any problems.

For best results ensure that all work is completely dry before painting. Keeping a reasonable temperature in the spray area is also important, and always avoid having any naked flames in any area where paint is being applied. We also recommend leaving the work for a minimum of 2 to 3 days after painting before installing it, Please avoid any heavy handling before the paint has fully cured. This can take some time depending on the temperature and the film thickness. Careful handling during transportation and installation of the work can save you time on site in touching up scratches and damaged paintwork.

### **Storage And Application Temperatures**

Ideally paint should be stored between 5°C and 28°C and never below 0°C. Application temperature should be between 12 and 22°C if possible.

**Please Note:** very low or high temperature can cause viscosity variations which can affect results.

### **Possible Problems And Solutions**

#### **1) Small Bubbles Or Blisters appear On The Surface Of Newly Painted Work**

The most likely cause is moisture on the galvanised work. Trapped moisture tries to evaporate and causes small blisters to appear.

#### **Solution:**

- Try letting the paint thoroughly dry and then lightly abrade the surface and apply another light coat. Alternatively, if it is a severe case, you may need to strip off the paint and leave it to dry for 48 hours before repainting.

#### **Prevention:**

- Always ensure that work is thoroughly dry before painting. Although galvanised ironwork may feel dry to touch, moisture can be trapped in corners where scrolls or bars are welded. In an unheated workshop it can easily take up to 48 hours or longer to dry properly.

## 2) Paint Is Flaking

This is usually an adhesion problem. If the film thickness is checked and the correct film thickness has been applied then several things must be considered:

- This is commonly caused by insufficient paint being applied, especially on the first coat.
- Was the work a very shiny galvanised finish?
- Was the work sufficiently dry before coating?
- Had the work been properly prepared, and any contaminants cleaned off?
- The coating may not have been given enough time to thoroughly dry and fully harden (see Section 5 'The paint is not drying and is very soft')
- Adding too much thinner can contribute to adhesion problems.
- Have the correct thinners been used?

### Solutions:

- In many cases additional paint will cure the problem. We suggest adding at least one more thick coat to a small section and checking the results. Please check the film thickness with a mechanical or electronic gauge and if this is not at least 80 microns (excluding possible zinc film if galvanised) additional coats may be required to obtain the recommended dry film thickness of between 80 – 120  $\mu\text{m}$  (microns).
- Alternatively, you may need to strip the paint and start again.

### Prevention:

- Always prepare well before painting - clean off all dirt, mill scale, weld spatter, oil and grease, etc.
- Any oil or grease can be removed with Brundle Panelwipe (Degreaser) Product Code: **29PW05**, prior to painting.
- Very bright shiny metal surfaces must either be lightly abraded or treated with Mordant 'T' Wash code: **29MTW05** to achieve better adhesion.
- Mild steel could be prepared by grit-blasting followed by painting as quickly as possible
- Use thinners sparingly. Ideally with Vinylast™ the minimum necessary amount of thinners should be used. Always use the recommended thinners for Vinylast™ which is Industrial QD Thinners code: **29002** for 5 litres or code: **2900225** for 25 litres.
- Other products may require our White Spirit code: **29WS05**. Always check if you are unsure.

## 3) Rust Has Developed

If the work is galvanised, it could be that the installer has accidentally cut or ground some steel close to the painted surface, tiny specks of red hot metal can embed themselves into the surface of the paint. It can appear as if rust is coming through the paint. The simple solution is to paint over this area and cover the tiny pieces of metal. The galvanised finish will not be affected, and the work is still protected.

### Solution:

- In severe cases the surface may need full preparation and the rust removed. Work that is severely rusty may require blast-cleaning before painting, but painting should occur as soon as possible after this process. The recommended minimum film thickness is 200 microns wet and 80 microns dry. However, for coastal environments this must be increased to 125 microns dry film thickness (d.f.t.) for the best results. Always ensure the surface is clean, dry, and free from rust before painting.
- Repaint, ensuring that sufficient paint is applied and making sure that corners and crevices are not missed.

### Prevention:

- Use a different colour as a first coat to help achieve the required film thickness. We suggest a first coat of dark grey followed with black to ensure that the sprayer covers every part at least twice. Black on black is hard to see and therefore it is difficult to assess the coverage correctly.
- This can be caused by using thinners excessively. Please note that for a conventional sprayer no more than 10% thinners should be used, if more thinners are needed, consider buying a new spray unit.
- To ensure that the correct film thickness is applied a Wet Film Thickness Gauge code: **29PTG01** should always be used.
- A quick rule of thumb is that wet film thickness is about 2.5 to 3 times the dry film thickness (d.f.t.). The difference between wet and dry film thickness is due to solvents evaporating during the drying process.
- Never cut or grind steel near painted work. Sparks can embed themselves in the paint surface and rust. This makes the work look rusty although it is perfectly sound underneath.



#### 4) The paint is peeling off a galvanised surface

This may be an adhesion problem, but it could also be caused by applying too much paint in a single coat.

##### **Solution:**

- The paint may still be soft, so it could be worth allowing more drying time.
- Often the only solution is to strip the paint, ensure everything is completely dry and start again, with good preparation and applying coats as recommended.

##### **Prevention:**

- All surfaces must be clean and oil free before painting. Please see Advice Sheet 1 on how to prepare the work for painting, found on our website [www.fhbrundle.co.uk](http://www.fhbrundle.co.uk)
- If the galvanised surface is bright and shiny apply Mordant 'T' Wash code: **29MTW05** before painting.
- Bright shiny galvanising could also be abraded first before painting with Vinylast™.

#### 5) The paint is not drying and is very soft

The thicker the coating, or if a lot of thinner has been added, the longer it will take to dry and develop the final hardness. When too much paint is applied at one time, the paint can stay soft for days, but will harden over time as solvents gradually evaporate.

**Please Note:** Drying times may vary according to temperature and humidity, so it will dry better in a warm dry atmosphere. Always handle newly painted products with care. Some coatings may take a considerable time to become fully cured.

##### **Solution:**

- Leave in a warm, dry place until the paint is completely dry. This can take some time, but the surface will eventually harden.
- Too thick a coating will harden eventually, but in extreme cases, can take up to 2 weeks

##### **Prevention:**

- Building up the thickness with two or three thinner coats and leaving to dry for a couple of hours between each one will lead to much faster hardening than one thick coat, because the solvent will evaporate more quickly.
- Apply several thinner coats. Too thick a coating will surface dry and trap the residual solvent in the film which then acts as a plasticiser keeping the film soft for several days, which, if damaged or removed, could release solvent smells. Too thick a coating will dry hard eventually, but in extreme case can take up to 2 weeks.
- Do not add more thinners than required.
- Ensure you have used the correct thinners for the product. Other thinners may slow down the drying process or cause other problems.

#### 6) The Colour Of The Paint Does Not Match The Colour On My Previous Order

If external work was installed and painted several years ago, and part of the work repainted more recently, a colour difference can sometimes be noticeable. Even internal work will change colour over time.

However, if a job has been newly painted and a new can of the same colour is noticeably different, something is amiss. In this case, please make a note of the batch number on the base of the can, date and colour on the front label and contact us.

The colour on the work can also depend on having a consistent thickness of paint, this is particularly noticeable in bright colours such as reds, oranges, and yellows. With more transparent shades extra coats may be needed to get an even colour (in some cases the base metal colour may be showing through in areas where the coating is thinner).

Colour can appear to vary a little depending on the sheen level. Thicker coats will give a higher sheen level whilst a very thin coat will look flat and dull.



## 7) A Pale Grey Powder Can Be Seen On The Paint

After a few weeks of being applied, a grey powder-like film can be seen on the paintwork. 'White Rust' is formed by water reacting with zinc on a galvanised surface and is usually caused by insufficient paint thickness being applied. This can also happen after many years and is an indication that the work would benefit from a new coat of paint.

### Solution:

- Clean the affected area thoroughly, make sure it is dry and apply additional paint until the recommended dry film thickness is acquired. We recommend using a film thickness gauge.

### Prevention:

- Always apply to the recommended dry film thickness. This can save time and remove the necessity for return visits.

## 8) The Paint Is Very Thick In The Can

If the paint is very thick when the can is first opened, it may be caused by the length of time the paint has been stored. Most paints have an unopened shelf life of about a year or a little more if stored in good conditions. (Some types of cellulose base paints may only last for six months.) Paint will always thicken as solvents evaporate. All our paints have a batch number on the can, so in the event of any problem, please make a note of the batch number and your invoice number so we can trace when it was made and purchased.

### Solutions:

- Do not open cans until ready to use. This will help to slow the rate of solvent evaporation.
- Always thoroughly mix the paint before use with an appropriate paint mixer. These are inexpensive and some can be used with an electric drill. If the paint is still too thick to spray add a small amount of the appropriate thinners and mix well.

### Prevention:

- Mix the paint thoroughly before use
- Ensure any left over paint is properly sealed, this will prolong the usable life of the paint.
- Try to use your paint within a few months of buying it.
- If you are using Vinylast™ please remember that you can use any remaining paint as the first coat on the next job if you are spraying, even if it is a different colour.

## 9) The Painted Work Has A 'Misty' Appearance After Drying

"Bloom" can happen when the temperature is low, or the paint is too cold. It can also happen if too much thinner is added. Storing the paint above 5°C and applying between 12 and 22°C should prevent "bloom" developing.

### Solution:

- If "bloom" occurs, try wiping the surface with White Spirit code: **29WS05**. A quick wipe may restore the finish to black. Try on a small area first.
- You may also try to spray a mist of xylene, but do not rub the surface with a cloth if xylene is used as it will soften the surface and may drag the paint.

## 10) How To Repair Any Handling Damage After Installation

We have a wide range of aerosols and touch up kits available for repairing small areas of damage caused during installation, or for use on nuts, bolts and other fittings.

- Always transport and handle painted work with care.
- For small areas, using a matching aerosol gives better and faster results than painting by brush. It can easily be faded into to the rest of the work and built up slowly. Check our website for aerosol details.
- If there is a deep scratch on Vinylast™ paint, a small amount of Industrial QD Thinners, code: **29002** for 5 litres or code: **2900225** for 25 litres, may be used on a clean Low Lint Texteline Cloth code: **29RT150** or Non Woven Lint Free Cloth code: **29SW68** to wipe the edges of the scratch. This will help to give a smooth appearance. Then spray several coats with an appropriate aerosol. Several layers of thinned Vinylast™ paint may also be applied with a brush.

### Useful Tip

- Always use the correct thinners if different solvents are used a chemical reaction may occur. If in doubt, we suggest a small area is tested before painting the whole surface.

### important Information

**Please Note:** RAL and BS colours can't be displayed accurately in catalogues or on computer screens. The examples of colours that we show are for guidance only. We recommend that you purchase a physical colour chart or swatch to be sure of the correct colours.



## Important

- Correct Health and Safety procedures must be followed at all times.
- Always wear appropriate clothing and PPE. Please consult our Health and Safety Data Sheets. Full Data sheets are available from our all our branches.
- Basic information is available on the cans but we strongly advise that all users read the full data sheets for each product.
- Data sheets can be viewed or downloaded from our website at [www.fhbrundle.co.uk](http://www.fhbrundle.co.uk) by searching using the product code and then clicking on the SDS icon.
- You can also call 01282 834545 (Mon-Fri 08:30–16:30) and we will be happy to email MSDS information or post a copy to you.
- NEVER paint or spray in the vicinity of any naked flames.

We also recommend that users of all types of paints and other coatings check for the latest data sheets at regular intervals and update their files with up to date information.

**There must always be sufficient ventilation when painting by any method, and fire precautions should always be adhered to.**

**Appropriate personal protective equipment (PPE) should always be used whenever necessary.** You can obtain further important information regarding PPE, as well as several other useful topics, by visiting [www.hse.gov.uk/index.htm](http://www.hse.gov.uk/index.htm)

## Safety Data Sheets are provided by:

F.H.Brundle  
24 - 36 Lamson Road  
Ferry Lane North  
Rainham  
RM13 9YY

Tel: 01708 253545  
Fax: 01708 253550  
Email: [sales@brundle.co.uk](mailto:sales@brundle.co.uk)  
Web: [www.fhbrundle.co.uk](http://www.fhbrundle.co.uk)

## View and download SDS

Safety Data sheets can also be viewed and downloaded from our website at [www.fhbrundle.co.uk](http://www.fhbrundle.co.uk)

## E-mail

Safety Data Sheets can also be e-mailed to you upon your request to: [burnleystaffemail@brundle.com](mailto:burnleystaffemail@brundle.com)

## In person

You can also request a copy of the H & S Data Sheets at any of our branches.

# Quick Check Charts



## Cold Galvanise Protection

We have some excellent zinc rich primers and touch up aerosol sprays when you need high quality protection against rust or are touching up hot dipped galvanised steelwork.

Code	Size	Description	Application	Use with coating	Notes
2902A	500ml	Glossy Silver. ZG-90 Cold Zinc Galvanise Aerosol.	Spraying newly-galvanised steelwork.	Can be over-coated by many topcoats, or as a combined undercoat and topcoat.	Extremely fast-drying. Comes with 2 applicators.
2902B	500ml	Black RAL 9005. ZG-90 Cold Zinc Galvanise Aerosol.	Spraying newly-galvanised steelwork.	Can be used as an all-in-one finish.	Extremely fast-drying. High performance glossy finish. Zinc purity 98%.
2902L	400ml	Light Zinc Cold Galvanised Spray	Spray to protect metal surfaces from oxidation	Can be used as an all-in-one finish	Forms an even corrosion resistant layer which can be painted or left as a final protection
2902M	500ml	MX-90 Matt Cold Zinc Galvanise Aerosol.	Spraying weathered galvanised steelwork.	Can be over-coated by many topcoats, or as a combined undercoat and topcoat.	Long term protection. Extremely fast-drying. Zinc purity 98%.
2902ABR	500ml	Brushable version of ZG-90 Bright Cold Zinc Galvanise Aerosol.	By brush. For use with newly galvanised steelwork.	Can be over-coated by many topcoats or used as an all-in-one finish.	High performance corrosion protection. Shower proof in 15 mins at 20°C.
2903	400ml	Galvalast zinc rich paint.	By brush. For use with galvanised steelwork.	Can be over-coated by many topcoats.	Can be thinned with Brundle 29002 Thinners.

## Primers

Code	Size	Product	Description	Also for	Colour	Apply by	If necessary, thin with	Notes
29BZPGP025	2.5L	Zinc Phosphate Grey.	Brundle Brushable Zinc Phosphate Grey Primer for use with Brushable Enamel.	General purpose zinc phosphate primer for brush application.	Grey.	Brush.	White Spirit code: <b>29WS05</b>	A quality primer containing zinc phosphate for good protection.
29ZQDP01	1L	Zincaphos QD ZP Grey.	Excellent Zinc Phosphate grey primer for use with Brundle Enamelrite.	General purpose quick drying primer, containing zinc phosphate.	Grey.	Best sprayed.	Industrial QD Thinners code: <b>29002</b> for 5L or code: <b>2900225</b> for 25L	A quick-drying quality primer, containing zinc phosphate for good protection.
29ZQDP05	5L							
29ZQDP20	20L							
29BRO025	2.5L	High Build Red Oxide.	General purpose steelwork primer.	Excellent value general purpose primer.	Red.	Spray or brush.	Industrial QD Thinners code: <b>29002</b> for 5L code: <b>2900225</b> for 25L	An excellent value general purpose primer.
29BRO05	5L							
29BRO20	20L							
Any Vinylast™ Paint except Vinylast™ Gloss	2.5L 5L 20L	Vinylast™.	High quality Vinyl coating.	Ideal for decorative ironwork.	Any RAL or BS number (Minimum quantities may apply).	Spray or brush small areas.	Industrial QD Thinners code: <b>29002</b> for 5L code: <b>2900225</b> for 25L	Please note that Vinylast™ Gloss can only be used as a topcoat.
2904A	0.5L	RX-90.	Red Oxide Aerosol Primer.	Painting small areas or touching up damaged paintwork.	Red.	Aerosol spray.	N/A	Very handy for smaller jobs.





# Quick Check Charts

## Topcoats

Product	Best for	Also for	Sheen	Colour range	Apply by	Undercoat/Primer	Thinners	Notes
Vynylast™	Galvanised Decorative Ironwork.	Non-galvanised steelwork.	<ul style="list-style-type: none"> <li>• Matt</li> <li>• Semi-Gloss</li> </ul>	Our standard colour range plus any RAL or BS number to order (Min. 5L quantities may apply for special colours).	Spray, roller or brush to 80 -120 microns d.f.t.*	Vynylast™ Matt or Semi-Gloss.	Industrial QD Thinners code: <b>29002</b> for 5L, code: <b>2900225</b> for 25L.	High Quality Low Maintenance N.B. Vynylast™ Gloss can only be used as a topcoat.
Vynylast™ Gloss	Galvanised Decorative Ironwork.	Non-galvanised steelwork.	<ul style="list-style-type: none"> <li>• Gloss</li> </ul>	Standard Colours plus any RAL or BS number to order (Min. 5L quantities may apply for special colours).	Spray, roller or brush.	Always use over a first coat of Vynylast™ Matt or Semi-Gloss to a total of 80-120 microns d.f.t.*	Industrial QD Thinners code: <b>29002</b> for 5L, code: <b>2900225</b> for 25L.	N.B. Vynylast™ Gloss can only be used as a topcoat.
Brundle Brushable Enamel	General purpose.	Decorative ironwork.	<ul style="list-style-type: none"> <li>• Satin</li> <li>• Gloss</li> </ul>	Black RAL 9005. Special colours on application.	Brush.	Brundle Brushable ZP Primer code: <b>29BZPGP05</b> .	White Spirit code: <b>29WS05</b> . <b>N.B.</b> Do not use with xylene based solvents.	Use where a brushable enamel finish is required. Use if the ironwork will come into contact with other 'plastic' materials, such as cables, bubble wrap, etc.
Enamelrite	General purpose.	Decorative ironwork.	<ul style="list-style-type: none"> <li>• Satin</li> <li>• Gloss</li> </ul>	Black RAL 9005. White RAL 9010. Special colours on application.	Spray.	Zincaphos QD Sprayable ZP Primer code: <b>29ZQDP05</b> .	Industrial QD Thinners code: <b>29002</b> for 5L, code: <b>2900225</b> for 25L.	Use where a Sprayable enamel finish is required.
Hammered Finish	Excellent for painting uneven or imperfect metal surfaces.	Machinery Rusty ironwork.	<ul style="list-style-type: none"> <li>• Hammered Finish</li> </ul>	Black. Silver Grey.	Brush.	Zincaphos QD Sprayable ZP Primer code: <b>29ZQDP05</b> Brundle Red Oxide.	Industrial QD Thinners code: <b>29002</b> for 5L, code: <b>2900225</b> for 25L.	-

\*d.f.t. = Dry Film Thickness

### Metallic Finish

Use for small solid areas of colour such as finials and rosettes.

Code	Size	Description	Thinner	Apply with	Use with coating	Notes
<b>29014</b>	1L	Gold Polyurethane.	White Spirit code: <b>29WS05</b> .	Brush.	Can be applied on top of most paints. Test a small area if in any doubt.	Apply several coats as necessary.
<b>29RSS025</b>	2.5L	Sparkle Silver Vynylast™.	Industrial QD Thinners code: <b>29002</b> for 5L, code: <b>2900225</b> for 25L.	Spray or small areas can be brushed.	Use as a main coat for a modern appearance on ironwork.	Sparkly finish.

# Quick Check Charts



## Patina & Staygold Paint

Perfect for highlighting and decorative finishes.

Code	Size	Description	Thinner	Apply with	Use with coating	Notes
29P001	375ml	Copper Patina.	White Spirit code: <b>29WS05</b> .	Sponge or brush.	For highlighting on top of other coatings.	Best with Matt or Semi-Gloss.
29P002	375ml	Gold Patina.	White Spirit code: <b>29WS05</b> .	Sponge or brush.	For highlighting on top of other coatings.	Best with Matt or Semi-Gloss.
29P003	375ml	Silver Patina.	White Spirit code: <b>29WS05</b> .	Sponge or brush.	For highlighting on top of other coatings.	Best with Matt or Semi-Gloss.
29P004	375ml	Verdigris Patina (Dark Green).	White Spirit code: <b>29WS05</b> .	Sponge or brush.	For highlighting on top of other coatings.	Best with Matt or Semi-Gloss.
29007	1L	Staygold.	White Spirit code: <b>29WS05</b> .	Brush.	Use for painting railheads and decorative parts on ironwork.	Long lasting, high quality gold paint.

## Aerosol Sprays

Useful for small paint jobs or for repairing damage or scratches. Included in the range are aerosols to match powder coated finishes and Synergised™ deck boards.

Code	Size	Description	Application	Used for	Notes
2904A	500ml	RX-90 Red Oxide Aerosol Primer.	Aerosol.	Basecoat which protects against rust. Effective on bare metal or light rust.	Fast-Drying formula. Use as an undercoat on most paints.
29RMBS	400ml	Smithy Black Matt Vinylast™ Aerosol.	For spraying small areas or touching up.	Repairs small areas of Matt Smithy Black Vinylast™ paintwork.	Quick-drying and easy to use.
29RGBS	400ml	Smithy Black Semi-Gloss Vinylast™ Aerosol.	For top-coating small areas or touching up.	Repairs small areas of Gloss Smithy Black Vinylast™ paintwork.	Quick-drying and easy to use.
29RSBS	400ml	Smithy Black Gloss Vinylast™ Aerosol.	For spraying small areas or touching up.	Repairs small areas of Semi-Gloss Smithy Black Vinylast™ paintwork.	Quick-drying and easy to use.
29PC400SBS	400ml	Touch up spray to match Black Sand finish.	Aerosol	Repairs small areas of Black Sand powder coating.	Ideal for touching up scratches.
29PC400SB	400ml	Touch up spray to match Black Gloss finish. RAL9005	Aerosol	Repairs small areas of Black Gloss powder coating.	Ideal for touching up scratches.
29PC400SW	400ml	Touch up spray to match White Gloss finish. RAL 9016	Aerosol	Repairs small areas of White Gloss powder coating.	Ideal for touching up scratches.
29PC400SG	400ml	Touch up spray to match Green Gloss finish. RAL 6005	Aerosol	Repairs small areas of Green Gloss powder coating.	Ideal for touching up scratches.
29PC400SSY	400ml	Touch up spray to match Signal Yellow Gloss finish. RAL 1003	Aerosol	Repairs small areas of Signal Yellow powder coating.	Ideal for touching up scratches.
29PC400SA	400ml	Touch up spray to match Anthracite Gloss finish. RAL 7012	Aerosol	Repairs small areas of Gloss Anthracite powder coating. For use with Slimline Posts.	Ideal for touching up scratches.
29PC400SAG	400ml	Touch up spray to match Anthracite Gloss finish. RAL 7012	Aerosol	Repairs small areas of Gloss Anthracite FOR Marano Connect & parallel boards.	Ideal for touching up scratches.
29PC400SSSG	400ml	Touch up spray to match Serengeti Sand Gloss finish. RAL 1019	Aerosol	Repairs small areas of Serengeti Sand Gloss powder coating. For Marano Connect and Parallel boards.	Ideal for touching up scratches.
29PC400SOW	400ml	Touch up spray to match Oyster White Matt finish. RAL 1013	Aerosol	Repairs small areas of Matt Serengeti Sand powder coating.	Ideal for touching up scratches.



# Quick Check Charts

## Aerosol Sprays (continued)

Code	Size	Description	Application	Used for	Notes
29PC400SSS	400ml	Touch up spray to match Serengeti Sand Matt finish. RAL 1019	Aerosol.	Repairs small areas of Matt Serengeti Sand powder coating.	Ideal for touching up scratches.
29PC400SUG	400ml	Touch up spray to match Umbra Grey Matt finish. RAL 7022	Aerosol	Repairs small areas of Matt Umbra Grey powder coating.	Ideal for touching up scratches.
29PC400SLS	400ml	Touch up spray to match Pebble Grey Matt finish. RAL 7032	Aerosol	Repairs small areas of Matt Pebble Grey powder coating.	Ideal for touching up scratches.
29PC400SMG	400ml	Touch up spray to match Mineral Grey Matt finish. RAL 7045	Aerosol	Repairs small areas of Matt Mineral Grey powder coating.	Ideal for touching up scratches.
29PC400STB	400ml	Touch up spray to match Terra Brown Matt finish. RAL 7028	Aerosol	Repairs small areas of Matt Terra Brown powder coating.	Ideal for touching up scratches.
29PC400SAM	400ml	Touch up spray to match Anthracite Matt finish. RAL 7012	Aerosol	Repairs small areas of Matt Anthracite powder coating. For Elements, Stripe and Convex boards	Ideal for touching up scratches.
29PC400SASY	400ml	Touch up spray to match Synergised Anthracite Grey Deck Boards.	Aerosol	Repairs small areas of Synergised Deck Boards Anthracite.	Ideal for touching up scratches.
29PC400SSSY	400ml	Touch up spray to match Synergised Serengeti Sand Deck Boards.	Aerosol	Repairs small areas of Synergised Deck Boards Serengeti Sand.	Ideal for touching up scratches.
29PC400SBSY	400ml	Touch up spray to match Synergised Black Deck Boards.	Aerosol	Repairs small areas of Synergised Deck Boards Black.	Ideal for touching up scratches.

### Touch Up Kits (to match powder coated products)

125ml cans are supplied with a brush.

Code	Size	Description	Apply with	Used For	Notes
29PC1BB	1L	To match Fortitude Black Gloss, RAL 9005	Best by brush	As required	Industrial QD Thinners code: 29002 for 5L, code: 2900225 for 25L.
29PC1BG	1L	To match Fortitude Green, RAL6005	Best by brush	As required	Industrial QD Thinners code: 29002 for 5L, code: 2900225 for 25L.
29PC1BBS	1L	To match Fortitude Black Sand	Best by brush	As required	Industrial QD Thinners code: 29002 for 5L, code: 2900225 for 25L.
29PC125TB	125ml	To match Fortitude Black Gloss, RAL 9005	Best by brush	As required	Supplied with a brush
29PC125TG	125ml	To match Fortitude Green, RAL 6005	Best by brush	As required	Supplied with a brush
29PC125TW	125ml	To match Fortitude White	Best by brush	As required	Supplied with a brush
29PC125TBS	125ml	To match Fortitude Black Sand	Best by brush	As required	Supplied with a brush



## Accessories

Code	Size	Description	Application	Used for	Notes
29FOAM	N/A	Foam pieces.	Load patina and wipe gently.	Highlighting with our Patinas. Applying Patina with foam sponges will give the best results.	Apply a small amount initially and add more to achieve the desired effect.
29PTG01	N/A	Wet film thickness comb.	N/A	Checking the amount of wet paint applied.	-
29SW68	400 pieces*	Lint Free Cloth.	N/A	For use with Brundle Panelwipe and general purposes.	Has many uses around the workshop.
29RT150	150 pieces*	Low Lint cloth.	N/A	General purpose cloths.	Has many uses around the workshop.

\*Approximate number of cloths per pack.

## Thinners & Solvents

It is essential that the correct type of solvent is used for the paint being used.

We offer two different types of thinners which can be used with our products and a range of solvents for various other uses. For best results we recommend that you add the least amount of thinners necessary when thinning paint. Too much thinners can mean the paint taking longer to dry or may mean that an additional coat is necessary.

### Thinners

Code	Size	Description	Application	Used with coating	Notes
29WS05	5L	White Spirit.	Mix thoroughly with the paint.	Patinas Staygold Polyurethane Gold code: <b>29014</b> . Brundle Brushable Enamels Zinc Phosphate Grey Primer code: <b>29BZPGP05</b> .	Essential for these products.
29002	5L	Industrial QD Thinners.	Mix thoroughly with the paint.	High Build Red Oxide Zincaphos QD ZP Grey Primer. Brundle Vinyl Range. Enamelrite. Vinylast™.	Excellent value. For quicker drying. Recommended for use with Vinylast™.
2900225	25L				

### Solvents

Code	Size	Description	Application	Used for	Notes
29MTW05	5L	Mordant 'T' Wash.	Usually brush.	Pre-treatment of bright shiny newly-galvanised steelwork or aluminium.	-
29GW05	5L	Gunwash.	Brush or cloth.	Cleaning spray-guns and equipment.	-
29GW25	25L				
29PW05	5L	Panelwipe.	Brush or cloth.	Preparation prior to painting degreaser.	For cleaning off any oil, grease or dirt.



## Important

Drying times for all paints and coatings may vary according to temperature and humidity. Always handle newly painted products with care. Some coatings may take a considerable length of time to become fully cured.

## Please Note

This information is as accurate as possible but should be treated as a helpful guide only. F.H.Brundle cannot accept any responsibilities for the information contained in our Advice Sheets. As we have no control over application, film thickness, the skill of the operator, the equipment used, local conditions, basic materials or a particular situation. It is therefore impossible to offer any specific guarantees. If you require information about a project, please do not hesitate to ask. We will arrange for a specialist technician to contact you and advise if necessary.

## Finally...

We hope this guide has been useful. We endeavour to provide a friendly and helpful service, so if you have any further questions please do not hesitate to contact a member of staff who will be pleased to help.

Please visit [www.fhbrundle.co.uk](http://www.fhbrundle.co.uk) for a full range of products and our online ordering service. You can also find a list of all our branches and their contact numbers on our website or you can e-mail [sales@brundle.co.uk](mailto:sales@brundle.co.uk) for prompt attention.

## Brundle Design Studio

F.H.Brundle has produced a web app to assist customers. It can help convert enquiries into sales by enabling you to design ironwork with, or for, your customers. Our FREE Brundle Design Studio can be found on our main website at [www.fhbrundle.co.uk/design-app](http://www.fhbrundle.co.uk/design-app)

Brundle Design Studio also contains useful calculators to help with estimating and designing and a shared Design Library.

# Useful Information

**PPE:** Personal protection equipment

**SDS:** Safety data sheets

**d.f.t:** Dry film thickness

## Safety data sheets

These can be found on [www.fhbrundle.co.uk/groups/PAINTTEC\\_\\_Paints](http://www.fhbrundle.co.uk/groups/PAINTTEC__Paints)

Advice Sheet	Description
1	General Information.
2	Coverage Information.
3	Troubleshooting.
4	Tips for Best Results.
5	Highlighting with Patina & Staygold.
6	Health & Safety.
7	Finishing Internal Ironwork.
8	Primers & Solvents.
9	Paint Selector Charts.

Whilst every effort has been made to ensure the accuracy of the information supplied, F.H. Brundle cannot be held responsible for any errors or omissions.



# F.H. BRUNDLE

SERVING THE TRADE SINCE 1889

## South & West

502 Millbrook Road  
Third Avenue  
Millbrook  
Southampton  
Hants SO15 0JX  
Tel: 023 8070 3333  
Fax: 023 8070 5555  
southampton@brundle.com

## London & South East

24 - 36 Lamson Road  
Ferry Lane North  
Rainham  
Essex  
RM13 9YY  
Tel: 01708 25 35 45  
Fax: 01708 25 35 50  
sales@brundle.com

## East Midlands

Condor Road  
Quarry Hill Ind. Est  
Ilkeston  
Derbyshire  
DE7 4RE  
Tel: 0115 930 2070  
Fax: 0115 951 2455  
ilkeston@brundle.com

## West Midlands

81-82 Middlemore Ind. Est  
Middlemore Road  
Smeethwick  
Birmingham  
B66 2EP  
Tel: 0121 565 8282  
Fax: 0121 565 8292  
birmingham@brundle.com

## North West

Unit B  
Spectrum 23  
Santkey Valley Ind. Est  
Newton-le-Willows  
WAL2 8DN  
Tel: 01942 86 88 88  
Fax: 01942 86 88 99  
haydock@brundle.com

## Scotland

Dunivraig Road  
Queensie Ind. Est  
Queensie  
Glasgow  
G33 4TP  
Tel: 0141 773 6699  
Fax: 0141 773 6633  
glasgow@brundle.com

## Cardiff

Alexandra Ind. Est.  
Wentloog Rd  
Rumney  
Cardiff  
CF3 1EY  
Tel: 029 2280 1180  
cardiff@brundle.com

[www.fhbrundle.co.uk](http://www.fhbrundle.co.uk)  
[sales@brundle.com](mailto:sales@brundle.com)