

# PRODUCT DATA SHEET

Product & Reference: PC5VF Range Crown Steelseal Topcoat  
Date of Issue: March 2005

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## PC5VF RANGE STEELSEAL TOPCOAT

A semi gloss high build top coat based on pigmented synthetic polymers in bland solvents and specially formulated for use on cladding where resistance to weathering, mild chemicals and water is required. It is resistant to moderate heat and tolerates slight surface moisture during application.

### PRODUCT INFORMATION

Weight per litre	1.10 - 1.32 (varies depending on shade)
Volume solids	50% +/- 2%
Weight Solids	67% ± 2%
Colour	PC5VF Full colourmatch range
Gloss level	Semi-gloss
Flash point	38°C (Abel closed cup) Flammable
Theoretical coverage	10.0 square metres/litre at 50 microns dry film thickness (subject to surface profile, prevailing conditions and application technique).
Pack size	10 litres
VOC content	400 g/Litre

### HEALTH AND SAFETY

This product is intended for use only by professional applicators in industrial situations in accordance with the advice given on the Health and Safety Data Sheet and the containers. If for any reason a copy of the relevant Health and Safety Data Sheet is not immediately available, the user should contact Akzo Nobel Industrial Coatings to obtain a copy before using the product.

### APPLICATION DETAILS

Method of application	Apply by brush or airless spray as supplied. For airless spray use min tip size 0.28 mm (0.011 ins) at min. pressure of 126 kg/cm <sup>2</sup> (1800 psi). Adjust pressure and tip size as necessary to suit individual application situations. Monitor wet film thickness.
Wet film thickness	100 - 120 micrometres (105-125 micrometres when thinned with 5% by volume PC3CG000)
Dry film thickness	50 - 60 micrometres
Mixing instructions	Stir well before use.
Thinner	Thinning is not normally required. In cold weather up to 5% by vol. (0.25 ltr/5ltr) PC3CG000 may be added to aid application.
Cleaner	PC3CG000
Drying Time conditions,	With free air circulation. Times will be extended in still air high humidity or if over applied.

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AMBIENT CURING @ 50 MICROMETRES DFT.				
Substrate Temp.	Touch dry	Hard dry	Overcoating Intervals	
10°C	4 hrs	24 hrs	Min. 24 hrs	Max.} 14 days. If exceeded
20°C	2 hrs	12 hrs	Min. 12 hrs	Max.} lightly abrade or apply
30°C	1 hr	6 hrs	Min. 6 hrs	Max.} approved undercoat.

### PERFORMANCE SPECIFICATION

Approved by Corus PLC Strip Products.

### SURFACE PREPARATION

This product is designed for use over suitably primed substrates. Surfaces must be free from dust, oil, grease and other contaminants. Excess water must be removed.

### STORAGE

Conditions: In a cool, dry and well ventilated place.  
Shelf life: Min 18 months in original unopened containers.  
Temperature: Between 5°C and 30°C.

### LIMITATIONS ON USE

Do not apply at temperatures below 3°C, or when the relative humidity is over 95% or when the temperature is less than 3°C above the dew point.

Do not apply where substrate temperature is above 40°C during application.

Do not apply during mist, fog, sleet, snow or rain or when these conditions are imminent.

Ensure correct primer shade is selected otherwise extra coats of top coat may be required. White, light colours and certain accent shades will require additional top coats to obliterate.

This is an air drying coating, therefore do not apply under cold damp conditions or where these conditions are likely to occur within the touch dry period, otherwise loss of gloss may result. Where loss of gloss is experienced this may be only an aesthetic effect and the appearance can be restored by application of a further coat of Steelseal Topcoat when site conditions have improved.

Pigment orientation of metallic shades can result in srueding effects if applied incorrectly. Consideration should be given to surface profile, accessibility, location and equipment used. Work should be carried out using good painting practises and application techniques to ensure that a continuous, even wet film is applied. For optimum results metallic shades should be airless sprayed.

For conditions not covered in this data sheet refer to Akzo Nobel Industrial Coatings Advisory Department.

All material supplies are subject to AKZO NOBEL INDUSTRIAL COATINGS LIMITED current Terms and Conditions of Sale.

*This Data Sheet supersedes all previous Data Sheets supplied to you relating to this product. It contains important information which must be communicated to the user. The user must satisfy himself of the suitability of the product for the intended application and surface, as surface and application conditions are beyond Akzo Nobel Industrial Coatings Ltd control. The user must also satisfy himself of the suitability of the product in circumstances other than those set out in this Data Sheet. The user must also maintain appropriate quality control procedures. Akzo Nobel Industrial Coatings Ltd is always willing to answer user's enquiries regarding its products.*