

PR 30B etch primer

Description

PR 30B is a two-pack, ambient curing, etch primer designed to provide the maximum possible resistance to filiform corrosion. PR 30B promotes excellent adhesion between epoxy and polyurethane primers and a variety of light alloys and steel. For details of schemes incorporating PR 30B and for further information on the application parameters please consult the relevant Scheme Sheets.

PR 30B is approved to the following specifications:

BS2X32

AFS 1806

DTD 900/6064

Rolls Royce MSRR 9064

AER-MP-027A

For further information on specification release requirements, please contact PRC-DeSoto International.

Application properties (typical)

(At 23°C, 75%RH unless otherwise stated)

Product code numbers

Base PR 30B

Catalyst thinner TH 34B

Thinner (anti-chill) T 105

Flash points, Abel closed cup

PR 30B -4°C

TH 34B -4°C

T 105 40°C

Volatile organic compound (VOC)

mixed ready for use

(ASTM-D 3960) 770 g/litre

Mixing ratio, by volume

Base:catalyst thinner:thinner 1:1:0.1

Viscosity Apply as mixed

Coverage, mixed ready for use, theoretical value, no loss

@ 6 microns film thickness 14 m²/litre

Pot life, @ 15°C to 35°C 4 hours

Dry to overcoat 1 hour

Dry to touch 15-20 minutes

Dry to handle 45-50 minutes

Dry to mask 1.5-2 hours

Full cure 3 days

Force drying — PR 30B should not be stoved at temperatures above 60°C unless overcoated with another product.

PR 30B is compatible with most types of spray equipment but is not suitable for application with electrostatic spray equipment.

Colour Yellow

Performance properties (typical)

When tested with epoxy primer PR 143 and epoxy topcoat EC 75 over sulpho-chromic pickle pre-treatment, PR 30B will pass or exceed the requirements of BS2X32, e.g.:

Flexibility

Mandrel @ 0°C (ISO 1519) 9 mm

Water resistance

24 hours @ 23°C (ISO 1521)

Scratch hardness, (ISO 1518) 1200 g

Note: The application and performance property values above are typical for the material but are not intended for use in specifications or for acceptance inspection criteria because of variations in testing methods, conditions and configurations.

Storage life

The storage life of PR 30B is twenty four months from the date of manufacture when stored at temperatures between 5°C and 35°C in the original unopened containers. Partly used containers must be re-sealed immediately after use. Once opened, catalyst thinners TH 34B must be used within two months.

DeSoto® Aerospace Coatings

PRC-DeSoto Europe, Ltd.

Darlington Road, Shildon

County Durham

DL4 2QP, England

Tel +44(0)1388 772541 Fax +44(0)1388 774373

email info.europe@prc-desoto.com

A PPG Industries Company

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Health precautions

This product is safe to use and apply when recommended precautions are observed. Before using this product read and understand the Material Safety Data Sheet which provides information on health, physical and environmental hazards, handling precautions and first aid recommendations. An MSDS is available on request. Avoid overexposure. Obtain medical care in case of extreme exposure.

All recommendations, statements, and technical data contained herein are based on tests we believe to be reliable and correct, but accuracy and completeness of said tests are not guaranteed and are not to be construed as a warranty, either expressed or implied. User shall rely on his own information and tests to determine suitability of the product for the intended use and assumes all risks and liability resulting from his use of the product. Seller's and manufacturer's sole responsibility shall be to replace that portion of the product of this manufacturer which proves to be defective. Neither seller nor manufacturer shall be liable to the buyer or any third person for any injury, loss, or damage directly or indirectly resulting from use of, or inability to use, the product. Recommendations or statements other than those contained in a written agreement signed by an officer of the manufacturer shall not be binding upon the manufacturer or seller.