

## PAC 33 polyurethane primer

### Description

PAC 33 is a two-component, ambient curing, corrosion resistant polyurethane primer.

PAC 33 is characterised by high chemical resistance and flexibility and is designed to be used over P99 etch primer for the exterior finishing of civil aircraft or to be used over chemically pre-treated alloy for interior or exterior parts.

PAC 33 is not recommended for use over untreated aluminium but can only be used on unsealed anodised aluminium.

PAC 33 is qualified to the following OEM specifications:

TN A.007.10012

TN A.007.10113

AFS 1355C

Rolls Royce RPS 611

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

### Application properties (typical)

(At 23°C/50%RH unless otherwise stated)

Product code numbers

Base 4355/3600

Activator 0701/9000

Thinner 0433/9000

Flash points, Abel closed cup

4355/3600 5°C

0701/9000 40°C

0433/9000 18°C

Mixing ratio, by volume

Base:activator:thinner 5:1:(4-5)

Volatile organic compound (VOC),

mixed ready for use

(ASTM-D 3960) 600 g/litre

Viscosity

AFNOR 2.5 45-55 seconds

DIN 4 13-14 seconds

BS B4 18-20 seconds

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

20 microns film thickness 15 m<sup>2</sup>/litre

Pot life 8 hours

Dust free 1-1.5 hours

Dry to mask 3 hours

Dry to overcoat 1-72 hours

Full cure 7 days

PAC 33 is compatible with all types of spray equipment. For further information on application details please consult the relevant Scheme Sheet available from PRC-DeSoto International.

Colour Green

### Performance properties (typical)

When tested with P99 and CA 8000 over sulphochromic pickle pre-treatment PAC 33 will pass or exceed the requirements of AIMS 04-04-012, e.g.:

Dry adhesion

Cross hatch (ISO 2409) Grade O

Flexibility

Mandrel @ 23°C (ISO 1519) 2 mm

Water resistance

336 hours @ 23°C (ISO 1521)

Cross hatch (ISO 2409) Grade 1

Resistance to fluids

Phosphate ester (Type IV)

336 hours @ 70°C (ISO 2812)

Scratch hardness, (ISO 1518) 1200 g

Filiform corrosion resistance, creep

1000 hours (EN 3665) 2 mm

**Note:** The application and performance property values 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.

## **PAC 33 polyurethane primer**

### **Storage life**

The storage life of PAC 33 is twenty four months from 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, activator 0701/9000 must be re-sealed immediately and used within two months.

### **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.