

PRODUCT SPECIFICATION SHEET:

REPFLO 2209 PU Coat

PRODUCT DESCRIPTION

REPLFLO 2209 PU Coat is a high build solvent- free polyurethane coating designed for application to equipment subject to extreme impact, wear and abrasion from slurries and aggregates.

TYPICAL APPLICATIONS

Suitable for emergency repairs or part of planned maintenance to equipment such as –

- Pumps
- Valves
- Pipe work
- Pipe fittings
- Chutes
- Hoppers
- Agitators
- Vessels
- Tanks

GENERAL PRODUCT INFORMATION

Appearance

Base: light grey or blue
Activator: Amber Liquid
Mixed: light grey or blue

Mixing Ratio

By weight: 3.25:1
By volume: 3:1

Density

Base: 1.31
Activator: 1.22
Mixed: 1.29

Solids content

100%

Slump Resistance

Nil at 15mm

Coverage Rate

1ltr (0.3 US gallon) of fully mixed product will give the following coverage rates –

2.5m² at 400 microns 26.88ft² at 16mil

Please note that the coverage rates quoted are theoretical and do not take into consideration the profile or condition of the surface being repaired.

Cure Times

Usable Life

10°C 40 minutes
20°C 20 minutes
30°C 10 minutes
40°C 5 minutes

Minimum overcoating time

10°C 12 hours
20°C 6 hours
30°C 3 hours
40°C 1.5 hours

Maximum overcoating time

10°C 72 hours
20°C 36 hours
30°C 18 hours
40°C 9 hours

Full Cure

10°C 14 days
20°C 7 days
30°C 3.5 days
40°C 1.75 hours

Storage life

The shelf life of the product is typically 2 years if unopened and stored in cool dry conditions (15-30°C/ 60-86°F). Once opened replace the lid firmly and store as above.

HEAT RESISTANCE

Suitable for use in immersed conditions at temperatures up to 70°C.

Resistant to dry heat down to - 20°C and up to 120°C dependant on load.

PRODUCT SPECIFICATION SHEET:
REPFLO 202 Ceramic Fluid

MECHANICAL PROPERTIES

Testing is typically done under laboratory conditions at a temperature of 20°C unless otherwise specified.

Abrasion Resistance

ASTM D4060

90mgm weight loss per 1000 cycles - 1kg load - CS17 wheel

Adhesion - Pull Off Test

BS EN 10290

23°C 175kg/ cm²

60°C 73kg/ cm²

ASTM D4541

214kg/ cm²

Compressive strength

When tested in accordance with ASTM D 695, typical values will be:

476kg/ cm² 6,750psi 46.5 MPa

Corrosion Resistance

When tested in accordance with ASTM B117 the material shows no sign of corrosion after:

Minimum 5000 hours Exposure

Impact Resistance

BS EN 10290

23°C 8.6 Joules

5°C 6.1 Joule

Flexural Strength

When tested in accordance with ASTM D790 typical values will be:

635kg/cm² 9,000psi

Hardness

Shore D

Tested to ASTM D2240 typical value will be: 80

CHEMICAL RESISTANCE

The product resists attack by a wide variety of inorganic acids, alkalis, salts and organic media.

For more detailed information on chemical resistance please refer to the relevant chemical resistance chart

TECHNICAL SUPPORT

Zoom Corrosion Technology offer complete technical support and assistance, from discussing application requirements to training approved local contractors. For further information please contact a REPCO representative or your nearest REPCO authorised dealer.

HEALTH AND SAFETY

Please refer to the product safety data sheet for detailed information on handling, storage, shipping and disposal.

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