

PRODUCT SPECIFICATION SHEET:

REFLO 2206 HTAC

PRODUCT DESCRIPTION

REFLO 2206 HTAC is designed to protect equipment operating in contact with acids and highly aggressive chemicals at elevated temperatures. The coating once fully cured is capable of withstanding temperatures up to 110°C in continuous immersion in sulfuric and hydrochloric acid.

TYPICAL APPLICATIONS

Suitable for the coating of sour oil and gas processing equipment, acid treatment vessels, scrubber units, evaporators, distillation units etc.

GENERAL PRODUCT INFORMATION

Appearance

Base: Dark Grey paste
Activator: Amber Liquid
Mixed: Thixotropic dark grey

Mixing Ratio

By weight: 18:1
By volume: 7:1

Density

Base: 2.55
Activator: 0.97
Mixed: 2.35

Volume Capacity

425cc/Kg

Solids content

100%

Slump Resistance

Nil at 1000 microns

Coverage Rate

1kg (2.2lb) of fully mixed product will give the following coverage rates –

1.415m ² at 300 microns	15ft ² at 12mil
1.063m ² at 400 microns	11.5ft ² at 16mil
0.850m ² at 500 microns	9ft ² at 20mil
0.708m ² at 600 microns	7.5ft ² at 24mil

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

The applied material should be allowed to harden for the times indicated below before being subjected to the conditions indicated:

Usable Life

10°C	50 minutes
20°C	25 minutes
30°C	12 minutes
40°C	6 minutes

Minimum sweep blast time

10°C	32 hours
20°C	16 hours
30°C	8 hours
40°C	4 hours

Maximum overcoating time

10°C	96 hours
20°C	48 hours
30°C	24 hours
40°C	12 hours

Full Cure

10°C	6 days
20°C	3 days
30°C	1.5 days
40°C	18 hours

HEAT RESISTANCE

Heat Distortion Temperature (HDT)

Tested to ASTM D648 (264 psi fibre stress), typical values are:

Cure Temperature	HDT
20°C Cure	47°C
100°C Cure	126°C
150°C Cure	172°C

Heat Resistance

Immersed

Suitable for use in immersed conditions at temperatures up to 110°C

Dry heat resistance

Tested to ASTM D2485
Pass for dry service up to 240°C

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

Taber H10 Wheels/1 Kg load, wet

28mm³ loss/1000 cycles

Adhesion

Tensile Shear when tested in accordance with ASTM D1002 on abrasive blasted mild steel with a 75 micron profile will typically be:

220kg/cm² 3,125 psi 21.5 MPa

Pull off Adhesion to ASTM D4541 on abrasive blasted mild steel with 75 micron profile

348kg/ cm² 4,950psi

Compressive strength

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

1046kg/ cm² 14,880psi

Corrosion Resistance

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

Minimum 5000 hours Exposure

Flexural Strength tested in accordance with ASTM D790 typical values will be:

614kg/cm² 8710psi 60.0 MPa

Impact Resistance

Tested to ASTM D256

32J/m

Hardness

Shore D to ASTM D2240

20°C 89

100°C 87

150°C 86

200°C 82

240°C 78

Storage life

The shelf life of the product is typically 5 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.

CHEMICAL RESISTANCE

The product resists attack by a wide variety of aqueous acidic solutions at elevated temperature and other media at lower temperatures. Refer to the Resimac Technical Centre for advice.

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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