# PRODUCT SPECIFICATION SHEET:

# **REPFLO 2206 HTAC**



#### PRODUCT DESCRIPTION

**REPLFLO 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 -

 $\begin{array}{lll} 1.415\text{m}^2 \text{ at } 300 \text{ microns} & 15\text{ft}^2 \text{ at } 12\text{mil} \\ 1.063\text{m}^2 \text{ at } 400 \text{ microns} & 11.5\text{ft}^2 \text{ at } 16\text{mil} \\ 0.850\text{m}^2 \text{ at } 500 \text{ microns} & 9\text{ft}^2 \text{ at } 20\text{mil} \\ 0.708\text{m}^2 \text{ at } 600 \text{ microns} & 7.5\text{ft}^2 \text{ at } 24\text{mil} \end{array}$ 

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 minutes20°C 25 minutes30°C 12 minutes40°C 6 minutes

#### Minimum sweep blast time

10°C 32 hours20°C 16 hours30°C 8 hours40°C 4 hours

#### Maximum overcoating time

10°C 96 hours20°C 48 hours30°C 24 hours40°C 12 hours

# **Full Cure**

10°C 6 days20°C 3 days30°C 1.5 days40°C 18 hours

# **HEAT RESISTANCE**

### **Heat Distortion Temperature (HDT)**

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

Cure TemperatureHDT20°C Cure47°C100°C Cure126°C150°C Cure172°C

# **Heat Resistance**

#### **Immersed**

Suitable for use in immersed conditions at temperatures up to  $110^{\circ}\text{C}$ 

#### 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

28mm<sup>3</sup> 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/cm<sup>2</sup> 3,125 psi 21.5 MPa

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

348kg/ cm<sup>2</sup> 4,950psi

## **Compressive strength**

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

1046kg/cm<sup>2</sup> 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/cm<sup>2</sup> 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/ 60-86F°). Once opened replace the lid firmly and store as above.

# **CHEMICAL RESISTANCE**

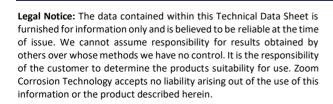
The product resists attack by a wide variety of aqueous acidic solutions at elevated temperature and other media at lower temperatures. Refer to the Resimac Technical Centre for advice.

# **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.



Email: sales@zoomct.com www.zoomct.com

