



**Kinetics Controls & Innovation Ltd**

Unit6 & 7, 1Kirkhill Place,  
Kirkhill Ind Est, Dyce,  
Aberdeen AB21 0GU  
Tel: +44 (0) 1224 255480  
Email: Info@kciltd.co.uk  
Web: www.kciltd.co.uk

## **MHS-Protect**

### **Technical Data Sheet**

**Description:** 2 part Anti-corrosion coating

**Intended use:** Coats metal, fabrics, ceramics, glass, wood and concrete

**Features:** No heat transfer, inert to UV, H<sub>2</sub>S/Sour gas, most solvents & Acids

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*Technical data should be considered representative for specific applications contact KCI*

**Typical** Curing time at 20°C =6-8hrs. (Product cures faster in high temperatures)

**Physical** Hardener ratio 10:0.75 (Can be altered in consultation with KCI)

**Properties:** Premix form: Hardener – Liquid (Clear)  
Compound – Paste (Can be coloured to meet customer's specification)

#### **Mixed**

Relative density = 1.8

Flash Point = >100°C (closed cup)

#### **Cured**

Shore Hardness = 24(Shore A)

Tensile Strength = 4.7Mpa      Tear strength = 26Kn/M

Shrinkage =0.2-0.4%

Colour – As per customer specification

Product self-levels at approximately 2mm

Structure: Flexible solid rubberized material

Operational Temperature -50°C – 250°C

**Surface Preparation:** Remove any loose material and clean excess oil and grease. Excessive corrosion can be removed with wire brush and/or water blasting although the product bonds well to both corroded and polished surfaces.

**Mixing Instructions:**

1. Add full volume of hardener provide unless discussed otherwise with KCI
2. Only mix product in tubs provided
3. Using spatula provided mix products together through marbling effect until a uniform colour is achieved
4. Apply to surface immediately after mixing



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- Application** 1. Apply to surface using paintbrush provided
- Instructions:** 2. Start at top of area to be coated and work down  
3. If too much product is applied, clean the brush and remove excess material.  
4. A full coating of area to be coated should be achieved with no gaps of bare patches.
- Storage:** Store in a cool dry place.
- Shelf life:** 12 Months
- Expected Lifespan:** Approximately 25 years+ if left undisturbed (If product is damaged or ruptured, repair kits are available)
- Removal:** For removal the product can be cut and peeled. Once removed the product is classed as “domestic rubbish” and can be disposed of in conjunction with local regulations (small volumes)
- Precautions:** Please refer to appropriate material safety data sheets (MSDS) prior to using this product.
- For technical assistance call KCI on +44 1224 255480 (24hrs)
- Disclaimer:** Information on this data sheet is based on laboratory testing and is not intended for design purposes. KCI make no representations or warranties of any kind concerning this data.

***For advice on specific applications contact KCI on +44 1224 255480 (24hrs)***