

### Conditions during application

KEMCOAT E81 may be applied at temperature down to 5°C and at lower temperatures curing time will increase. For cold weather application it is recommended to store KEMCOAT E81 in a warm warehouse and only removed immediately before application. Accelerated heating methods are forbidden KEMCOAT E81 not to be exposed to water, chemicals or mechanical stress before it is fully cured.

### Health and Safety

- Use goggles, gloves and breathing mask when applying.
- Apply forced ventilation in confined spaces.
- Skin splashes to be removed with hand cleaner, soap and water.
- Eye splashes to be washed with plenty of water.
- If ingested seek medical advice.

### Additional Information

PROKEM provides the construction industry with a comprehensive range of construction chemicals and specialty products answering the queries of modern engineers for trouble free durable structure. PROKEM designs tailor made products should there be critical application that requires specific properties rather than our main range.

For our customer's satisfaction, PROKEM extends technical services to include after sales support to assist users in a proper handling of our products.

Product Data Sheet  
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## KEMCOAT E81

Hi-build, solvent free, chemical resistant, epoxy coating.

### Description

**KEMCOAT E81** is a solvent free, two components thixotropic epoxy coating with outstanding mechanical and chemical properties.

### Where to use

A heavy duty protective coating for concrete and metal structures where outstanding chemical resistance is required, suitable for indoor applications.

### Advantages

- An easy to clean tough glossy finish.
- Excellent resistance to a wide range of chemicals and corrosive vapors.
- Excellent mechanical properties.
- May be used as a part of bridging laminates.
- Produced in several colours

### Properties

|                      |                                        |
|----------------------|----------------------------------------|
| Solids ( by volume ) | 100 %                                  |
| Specific gravity     | 1.58 ± 0.04<br>( after mixing )        |
| Flash point          | 131°C                                  |
| Gloss retention      | high gloss                             |
| chemical resistance  | refer to<br>PROKEM<br>resistance table |
| Abrasion resistance  | refer to<br>PROKEM<br>resistance table |

### Application data

|                        |                                      |
|------------------------|--------------------------------------|
| Application Methods    | Brush, roller<br>airless spraying.   |
| Pot life at 23° C      | 2 hours (reduced<br>at higher temp.) |
| Dry to touch at 23° C  | 24 hours                             |
| Dry to recoat at 23° C | 24 hours min./<br>2 days max.        |
| Fully cured at 23o C   | 7 days                               |

### How to use

#### Surface preparation:

- All surfaces should be clean, dry and free from dust for full details refer to PROKEM surface preparation and application guide, available guide on request.
- Treat oil and grease with a chemical degreaser followed by water or steam cleaning
- Concrete and metal surfaces should be sand or grit blasted or wire brushed.

#### Mixing:

- Stir the contents pack A to disperse settlement, then add pack B and mix a uniform consistency is obtained. Adjust viscosity by adding PROKEM special solvent up to 5 %.

Mixing ratio (4.1: 0.9) part by weight.

#### Priming:

- All concrete surfaces should be primed with a sealer coat of Sealer E115
- The primer should be allowed to cure overnight.
- All metal surfaces should be primed immediately after preparation using KEMPRIM M

#### Application :

Apply first coat of KEMCOAT E81 with a brush to get a good adhesion with the substrate and to obtain a continuous uniform film thickness. Apply the second coat within the recoating interval to achieve the maximum adhesion between the two coats.

#### Cleaning :

Tools & equipment should be cleaned with special solvent immediately after use.

#### Theoretical Coverage:

5 sq. m. /l (0.3kg/m<sup>2</sup>) at d.f.t. 200 microns

#### Packaging:

Two pack (A+B) 1, 5 kg pails

#### Storage:

KEMCOAT E81 has a shelf life of 12 months if kept in original packaging in a dry condition.