

## Technical Data Sheet

Edition : 30/08/2016

VER : 01

JEMFLOR MCPU

# JEMFLOR MCPU

## Single Component, Moisture Curing Polyurethane Primer

**Product Description** JEMFLOR MCPU is a single component, moisture curing polyurethane primer.

### Where to Use

For priming;  
Concrete substrates,  
Bituminous substrates  
cement screeds and epoxy mortars.  
For normal to strong absorbent  
substrates.  
Primer for Jemkon flooring systems.



### Characteristics/ Advantages

Excellent adhesion to bituminous substrates  
Quick to cure  
Low viscosity  
Easy to apply

### Appearance / Colour

Light dark, Liquid  
Single Component

### Packaging

1 & 20 kgs

### Storage Conditions / Shelf Life

12 months from date of production if stored in original, unopened and undamaged sealed packaging, in dry conditions at temperatures between +5°C and +35°C.

### Chemical Base

Polyurethane

### Density

mixed: ~1.01  
g/cc

### Mechanical /Physical Properties

**Compressive Strength** ~ 55 N/mm<sup>2</sup> (14 days / +27°C) (IS 9162-1979)

**Flexural Resistance** ~ 45 N/mm<sup>2</sup> (14 days / +27°C) (IS 9162-1979)

**Adhesion** > 1.5 N/mm<sup>2</sup> (failure in concrete) (ISO 4624)



---

## Application Details

---

**Consumption / Dosage** JEMFLOR MCPU ~ 0.1 to 0.2 kg/m<sup>2</sup> @ 75-150 microns respectively

---

**Substrate Quality** The concrete substrate must be sound and of sufficient compressive Strength (minimum 25 N/mm<sup>2</sup>) with a minimum pull off strength of 1.5 N/mm<sup>2</sup>.  
The substrate must be free of all contaminants such as oil, grease, coatings and surface treatments etc. If in doubt, apply a test area first.

---

**Substrate Preparation** Concrete substrates must be prepared mechanically using abrasive blast cleaning or scarifying equipment to remove cement laitance and achieve an open textured surface.  
Weak concrete must be removed and surface defects such as blow holes and voids must be fully exposed.  
Repairs to the substrate, filling of blowholes/voids and surface levelling must be carried out using appropriate Jemkon products.  
The concrete or screed substrate has to be primed or levelled in order to achieve an even surface.  
High spots can be removed by grinding.  
All dust, loose and friable material must be completely removed from all surfaces before application of the product, preferably by brush or vacuum.

---

**Substrate Temperature** +8°C min. / +40°C max.

---

**Mixing** Single Component. Stir the material to remove any settling.

---

**Application Process & Tools** Prior to application, confirm substrate moisture content.  
Make sure that a continuous, pore free coat covers the substrate. If necessary, apply two priming coats. Apply JEMFLOR MCPU primer by brush, roller or trowel.

---

**Recommended Undercoats & overcoats**  
Primer : JEMFLOR MCPU  
Screed : Tech 60  
Sealer : Tech 24 / Tech 60  
Top coat : Tech SL / Tech FC / Aquathane flooring series

---

**Cleaning of Tools** Clean all tools and application equipment with Jemkon Epoxy Thinner (ET 901) immediately after use.

---



---

**Potlife**

Temperatures	Time
+25°C	~ 15 minutes

---

**Waiting Time / Overcoating**

Substrate temperature	Waiting time	
	Minimum	Maximum
+25°C	8 hours	24 hours Light sanding required after maximum time.

---

**Curing Details****Applied Product ready for use**

Substrate temperature	Waiting time	
	Minimum	Maximum
+25°C	24 hours	-

Note: Times are approximate and will be affected by changing Ambient and substrate conditions.

---

**Cleaning/  
Maintenance**

Spillage of any kind should be cleaned quickly.  
Use mild detergent & water to clean the coating regularly.  
Scrubbing can be done by using soft bristles.

---

**Value Base**

All technical data stated in this Technical Data Sheet are based on laboratory tests.  
Actual measured data may vary due to circumstances beyond our control.

---

**Health and  
Safety**

For information and advice on the safe handling, storage and disposal of chemical products, users shall refer to the most recent Material Safety Data Sheet containing physical, ecological, toxicological and other safety-related data.

---



---

**Legal Notes**

The information, and, in particular, the recommendations relating to the application and end-use of Jemkon's products, are given in good faith based on Jemkon's current knowledge and experience of the products when properly stored, handled and applied under normal conditions in accordance with Jemkon's recommendations. In practice, the differences in materials, substrates and actual site conditions are such that no warranty in respect of merchantability or of fitness for a particular purpose, nor any liability arising out of any legal relationship whatsoever, can be inferred either from this information, or from any written recommendations, or from any other advice offered. The user of the product must test the product's suitability for the intended application and purpose. Jemkon reserves the right to change the properties of its products. The proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. Users must always refer to the most recent issue of the local Technical Data Sheet for the product concerned, copies of which will be supplied on request.

---

