

# MC-Proof PU 2100 (Previously known as Dictaflex 800)

## Low Solvent, UV-Resistant, Polyurethane Waterproofing Membrane

### Product Properties

- Single component, ready-to-use
- Highly elastic and easy application even on vertical substrates
- UV-resistant for exposed roof waterproofing
- Resistance to cold weather. The film remains elastic even down to -40 °C
- Low solvent, non-flammable
- Non-toxic
- Permeable to water vapor
- Special primers available for almost any substrate

### Areas of Application

- R.C. flat and pitch roofs
- On concrete, screed or tile surface
- Terraces and balconies, internal wet areas
- Landscape areas and planters boxes
- Industrial water tanks
- On wood, metal or galvanized steel.

### Application

#### Substrate Preparation

The surface must be clean using a high pressure washer, if possible. Remove oil, grease and wax contaminants. Cement laitance, loose particles, mould release agents, cured membranes must also be removed.

#### System Information On Concrete & Screed (Thickness: approx. 1.5 mm)

Apply one (1) coat of primer using MC-Proof PU 2100 Primer at approx. 150 g/m<sup>2</sup>. Wait for minimum 6 to 7 hours before overcoating with MC-Proof PU 2100. Provided the first coat is tact dry.

After MC-Proof PU 2100 Primer has fully cured, apply two (2) coats of MC-Proof PU 2100 at 1.0 kg/m<sup>2</sup>/coat. Waiting time is 5 hours between coats.

Please consult MC-Bauchemie Technical Department for primer on other types of surfaces.

#### Application Methods

Apply with roller, brush or airless spraying (200-250 bars) in one or two coats. Do not exceed 48 hours between coats.

Use a low speed (300 rpm) mixer. Add SOLVENT-01 5 – 10% for application by spraying

#### Consumption

1.5-2 kg/m<sup>2</sup> in one or two coats

#### Cleaning

Clean all equipment and tools first with paper and then using SOLVENT-01. Rollers will not be reusable.

- ❖ Protective top coat (Product code: MC-Proof PU 2100 TC) recommended when a dark coloured membrane is used.

### Technical Data for MC-Proof PU 2100

Characteristics	Unit	Value	Comments
In liquid form -			
Viscosity	cP	5,000-10,000	ASTM D2196-86, @ 25 °C
Specific Weight	gr/cm <sup>3</sup>	1.5-1.6	ASTM D1475 / DIN 53217 / ISO 2811 @ 20 °C
In cured form -			
Service temperature	°C	-40 - 60	
Hardness	shore A	60	ASTM D2240 / DIN 53505 / ISO R868
Tensile Strength at Break @ 23 °C	kg/cm <sup>2</sup> (N/mm <sup>2</sup> )	>20 (>2 )	ASTM D412 / EN-ISO-527-3
Elongation @ 23 °C	%	> 800	ASTM D412 / EN-ISO-527-3
Water Vapor Transmission	gr/m <sup>2</sup> .hr	0.8	ASTM E96 (water method)
Water Absorption (7 days RT)	%	1	Internal Method

### Product Characteristics for MC-Proof PU 2100

Delivery	6 kg and 25 kg pail
Colour	Grey
Storage	Can be stored in cool and dry conditions for <b>12 months</b> in original unopened packs at temperature 5 °C -20 °C
Disposal	In the interest of the environment, please empty all containers completely & in accordance with local regulations.

### Safety Advice

Please take note of the safety information and advice given on the packaging labels and safety information sheets.

**Note:** Bespoke vendor supplies. The information on this data sheet is based on our experiences and correct to the best of our knowledge. It is, however, not binding. It has to be adjusted to the individual structure, application purpose and especially to local conditions. Our data refers to the accepted engineering rules, which have to observe during application. This provided we are liable for the correctness of this data within the scope of our terms and conditions of sale-delivery-and-service. Recommendations of our employees which differ from the data contained in our information sheets are only binding if given in written form. The accepted engineering rules must be observed at all times.

**Edition 06/20.** Some technical changes have been made to this print medium. Older editions are invalid and may not be used anymore. If a technically revised new edition is issued, this edition becomes invalid.