

# Dictaflex 500

## UV-Resistant, Liquid Applied Polyurethane Hybrid Membrane

### Product Properties

- Single component, ready-to-use
- UV-resistant for exposed roof waterproofing
- Ideal for sealing roof leaks
- Highly elastic and cures to give a permanently flexible resilient barrier over a wide range of temperatures.
- Excellent adhesion to wide range of substrates
- Easy and seamless liquid application
- Impervious-outstanding barrier properties ensure protection

### Areas of Application

- Basements, tunnels and foundations
- Ground floors and suspended floors
- Car decks, roof terraces and balconies
- Patios, bridges and inspection pits
- Water retaining structures (not potable water)
- Sewage works and inverted roofs

### Application

#### Substrate Preparation

The surface must be structurally sound and free from cement laitance, loose particles, dust, oil, grease and any other contaminants or old coatings which may affect the adhesion.

#### System Information:

#### **Economical System (Thickness : approx. 0.5mm)**

Apply one (1) coat of primer with Dictaflex 500 added with 10% of water at approx.0.4kg/m<sup>2</sup>. Wait for 1.5 hours before next coating.

Finish with two (2) coats of Dictaflex 500 at 0.5kg/m<sup>2</sup>/layer with waiting time of 6 hours between coats.

#### **Heavy Duty System (Thickness : approx. 1.0mm)**

Apply one (1) coat of primer with Dictaflex 500 added with 10% of water at approx.0.4kg/m<sup>2</sup>. Wait for 1.5 hours before next coating.

Then apply one (1) coat of Dictaflex 500 at 0.5 kg/m<sup>2</sup> and then overlay with layer of Fibremesh Reinforcement. Wait for at least 12 hours.

Finish with one (1) coat of Dictaflex 500 at 0.5kg/m<sup>2</sup>.

(All waiting time above is based on 30°C, 50% Humidity)

All waiting time above must be observed in order for waterproofing system to function.

#### Application Methods

Dictaflex 500 can be applied by :-

Brush :	Thick hair brush
Roller :	Solvent resistant, short piled lamb skin roller
Trowel :	First layer of Dictaflex 500
Airless Spray :	Minimum Pressure: 220 bar. Minimum Output: 5.1 l/min Minimum Nozzle: 0.033 inch

#### Cleaning

Clean all equipment, tools and hands with water immediately after use. Hardened materials can only be mechanically removed.

<b>Technical Data for Dictaflex 500</b>			
<b>Characteristics</b>	<b>Unit</b>	<b>Value</b>	<b>Comments</b>
Density	kg/l	1.4	
Solid Content	%	50	by volume
Elongation at Break	%	320	ASTM D412
Pot Life	hours	1	Once opened, material will form film in 2 hours.
Curing Time	hours	36	@ 25 °C
Coverage	kg/m <sup>2</sup>	1.4	Economical system (~ 0.5mm thick)
		2.0	Heavy duty system (~ 1.0mm thick)
Application Conditions	°C	10 - 30	substrate temperature
	%	<85	relative humidity (RH)
	°C	3	above dew point

<b>Product Characteristics for Dictaflex 500</b>	
Colour	White (Energy Star), Grey, Green, Terracota, Red
Delivery	20 kg
Storage	Can be stored in cool and dry conditions for <b>24 months</b> in original unopened packs.
Disposal	In the interest of the environment, please empty all containers completely & in accordance with local regulations.

#### **Safety Advice**

Please take notice 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 be observed 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 02/20.** 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.

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