



PROFESSIONAL WATERPROOFING COMPOUND

TECHNICAL DATA SHEET NO.: M-98-A
DATE: SEPTEMBER 2004

PRODUCT CODE: PWC 520

THIS SUPERSEDES ALL PREVIOUS PUBLICATIONS

Product Description	An extremely durable waterbased coating with exceptional flexibility, abrasion resistant and waterproofing properties.																																						
Intended uses	<ul style="list-style-type: none"> • Sealer coating. • Waterproofing compound for walls, parapets, etc. • Coating to bridge small plaster cracks. 																																						
Features	<p>Resistance to:</p> <p>Acids: (24 h immersion at 23 °C)</p> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 60%;">10 % Hydrochloric acid</td> <td style="width: 40%;">Good</td> </tr> <tr> <td>10 % Sulphuric acid</td> <td>Good</td> </tr> </table> <p>Fire: Good</p> <p>Abrasion: Good</p> <p>Impact: Good</p> <p>Water: Excellent</p>			10 % Hydrochloric acid	Good	10 % Sulphuric acid	Good																																
10 % Hydrochloric acid	Good																																						
10 % Sulphuric acid	Good																																						
Product Information	<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 60%;">Appearance</td> <td colspan="2">Matt</td> </tr> <tr> <td>Colour</td> <td colspan="2">Off - White</td> </tr> <tr> <td>Solids</td> <td colspan="2">Approx. 63 % by mass; 50 % by volume</td> </tr> <tr> <td>Recommended DFT</td> <td colspan="2">2 – 5 mm</td> </tr> <tr> <td>Typical spreading rate</td> <td colspan="2">0.2 m² / ℓ @ 3mm DFT</td> </tr> <tr> <td>Viscosity at 23 °C</td> <td colspan="2">500 – 550 grams (KU - paste paddle)</td> </tr> <tr> <td>S G at 23 °C</td> <td colspan="2">1,19 kg / ℓ (typical)</td> </tr> <tr> <td>Flash Point</td> <td colspan="2">>65 °C</td> </tr> </table>			Appearance	Matt		Colour	Off - White		Solids	Approx. 63 % by mass; 50 % by volume		Recommended DFT	2 – 5 mm		Typical spreading rate	0.2 m ² / ℓ @ 3mm DFT		Viscosity at 23 °C	500 – 550 grams (KU - paste paddle)		S G at 23 °C	1,19 kg / ℓ (typical)		Flash Point	>65 °C													
Appearance	Matt																																						
Colour	Off - White																																						
Solids	Approx. 63 % by mass; 50 % by volume																																						
Recommended DFT	2 – 5 mm																																						
Typical spreading rate	0.2 m ² / ℓ @ 3mm DFT																																						
Viscosity at 23 °C	500 – 550 grams (KU - paste paddle)																																						
S G at 23 °C	1,19 kg / ℓ (typical)																																						
Flash Point	>65 °C																																						
Application Details	<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 30%;">Mixing</td> <td colspan="3">Ready for use. Stir thoroughly with a flat paddle until homogenous before use.</td> </tr> <tr> <td>Method</td> <td colspan="3">Airless H-gun with 28 to 40 thou tip. Heavy materials spray equipment with pressure vessel and airless 4 mm head. Trowel</td> </tr> <tr> <td>Substrate</td> <td colspan="3">Correctly prepared and primed surfaces.</td> </tr> <tr> <td>Cleaning</td> <td colspan="3">Water</td> </tr> <tr> <td>Application Environment</td> <td style="width: 20%;">Surface Temperature</td> <td style="width: 20%;">Ambient Temperature</td> <td style="width: 30%;">Relative Humidity</td> </tr> <tr> <td></td> <td>Min.: 10 °C</td> <td>Min.: 10 °C</td> <td>-</td> </tr> <tr> <td></td> <td colspan="3" style="text-align: center;">or 2 °C min. above dew point</td> </tr> <tr> <td></td> <td>Max.: 45 °C</td> <td>Max.: 40 °C</td> <td>Max.: 85 %</td> </tr> <tr> <td>Drying time</td> <td>Dry to handle</td> <td colspan="2">4 h at 23 °C</td> </tr> </table>			Mixing	Ready for use. Stir thoroughly with a flat paddle until homogenous before use.			Method	Airless H-gun with 28 to 40 thou tip. Heavy materials spray equipment with pressure vessel and airless 4 mm head. Trowel			Substrate	Correctly prepared and primed surfaces.			Cleaning	Water			Application Environment	Surface Temperature	Ambient Temperature	Relative Humidity		Min.: 10 °C	Min.: 10 °C	-		or 2 °C min. above dew point				Max.: 45 °C	Max.: 40 °C	Max.: 85 %	Drying time	Dry to handle	4 h at 23 °C	
Mixing	Ready for use. Stir thoroughly with a flat paddle until homogenous before use.																																						
Method	Airless H-gun with 28 to 40 thou tip. Heavy materials spray equipment with pressure vessel and airless 4 mm head. Trowel																																						
Substrate	Correctly prepared and primed surfaces.																																						
Cleaning	Water																																						
Application Environment	Surface Temperature	Ambient Temperature	Relative Humidity																																				
	Min.: 10 °C	Min.: 10 °C	-																																				
	or 2 °C min. above dew point																																						
	Max.: 45 °C	Max.: 40 °C	Max.: 85 %																																				
Drying time	Dry to handle	4 h at 23 °C																																					
Storage and Packaging	<p>Store away from direct sun, heat and severe cold.</p> <p>Packaging: 5ℓ, 20ℓ.</p>																																						
Transportation	This product is non – hazardous in accordance with Transportation and Classification of Dangerous Goods Act (1996).																																						

PROFESSIONAL WATERPROOFING COMPOUND

Surface Preparation

- Ensure surfaces to be coated are correctly prepared and primed and free of contaminants etc. dust, dirt, oil or grease.

MILD STEEL:

- For best performance the preferred treatment is to abrasive blast clean steel surfaces to grade Sa 2 ½ of the ISO 8501-1: 1988E with a blast profile of 30 – 35 µm.
- Alternatively prepare steel by wire brushing to grade St 3 of the above standards or St 2 (i.e. remove loose rust and all other contaminants). This treatment, however, is not as effective and results in a shorter maintenance-free life.

CEMENT PLASTER:

- Porous cement plaster and masonry surfaces must be treated with **PROFESSIONAL PLASTER PRIMER (PP 700)** and left to dry for 24 hrs before coating with **PWC 520**.
-

Recommended Primer (Mild Steel)

- Prime with **PLASCOSAFE 18 PRIMER (EMS 18)**.

Application

- Apply one full coat.

Caution

- High humidity and low temperatures will retard drying.

Safety Precautions

- Non-flammable. No special hazards - apply normal precautions during use.
- Keep out of reach of children.
- Refer to Material Safety Data Sheet for complete information.

DISCLAIMER:

The recommendations contained herein are given in all good faith and are meant to guide the specifier or the user. They are based on results gained from our tests and experiences and are believed to be reliable. No guarantee is implied by the recommendations contained herein since conditions of use, method of application and cleanliness of the substrate prior to painting are beyond our control.

N.B.: Technology may change with time necessitating changes to this Technical Data Sheet (TDS). It is the responsibility of the user to ensure that the latest TDS is being used.

NB: TO ORDER: Quote product name, product code number, packaging and colour.

BARLOWORLD PLASCON SOUTH AFRICA (PTY) LIMITED

CAPE TOWN:

P O Box 42
Eppindust 7475
Tel: (021) 505-2400
Fax: (021) 534-3791

DURBAN:

Private Bag X16
Mobeni 4060
Tel: (031) 451-3200
Fax: (031) 451-3411

MOGALE CITY

(KRUGERSDORP):
Private Bag X4010
Kenmare 1745
Tel: (011) 951-4500
Fax: (011) 955-4136

PORT ELIZABETH:

P O Box 1594
Port Elizabeth 6000
Tel: (041) 401-1400
Fax: (041) 434-606