



DIVERSE URETHANES

PRODUCT DATA SHEET

ThatchCoat

Description: One component polyurea polyurethane moisture cure coating for thatching in the application of protection, waterproofing and long term aesthetics.

Characteristics: A high-performance one component polyurea polyurethane prepolymer resin integrating various technologies together. The film of coating contains large amounts of carbamate bonds, biuret and urea bonds.

It specially includes hydrogen bonds to contribute large cohesive force among molecules inside the film. It causes the coating to possess super strong properties of anticorrosion, waterproof, wear resistance, temperature variation, aging resistance, chemicals resistance etc.

Specifications:

Adhesive strength	3.5 Mpa(or substrate broken)
Impact strength	≥ 50kg• cm
Tensile strength	18Mpa
Elongation	350%
Penetrate resistance	2.6Mpa
Temperature variation	-40 to +160°C
Wear resistance (700g/500r)	8mg
Acid resistance (20%H ₂ SO ₄ or 10%HCl, 30d)	no rust no bubbles no peel
Alkali resistance 40%NaOH, 30d	no rust no bubbles no peel
Salt resistance 100g/L, 30d	no rust no bubbles no peel
Salt spray resistance 1500h	no rust no bubbles no peel
Oil resistance (diesel crude oil 30d)	no rust no bubbles no peel

Color	Clear water-white film
Density	1.06g/cm
Volumesolid content	81%± 2%
VOC	≤ 178g/L
Recommended dry film thickness	200-350μ m
Theoretical coverage	0.23kg/sqm (calculated by the above solids percentage and dry film thickness of 175 microns)
Dry time	1-3h
Overcoating interval min:	3h, max: 28h
Coating method	Airless spray, Air spray, Brush, Roller
Flash point	61°C

Procedure:

No.	Name of products	Layers	Dry film thickness (μm)
1	Thatchcoat	1	80-150
2	Thatchcoat	1	80-150
Total		2	120 -300

<u>Application:</u>	Thatch structures
<u>Shelf life</u>	10 months (Indoor with dry and cool conditions)
<u>Packing</u>	20 lt open top steel tins
<u>Production area</u>	Diverse Urethanes, Modderfontein
<u>Caution</u>	Do not apply on wet surfaces.

The information provided in this data sheet and otherwise supplied to users is based on our general experience and upon tests which are believed to be reliable. However, because we have no control over the exact manner in which the information is used, we cannot guarantee the results to be obtained. Furthermore we make no express or implied warranty of merchantability or fitness of the product for a particular use.

The information contained in this data sheet is correct and accurate to the best of our knowledge but without warranty or liability.

All tests are carried out according to the standard methods used by Diverse Urethanes and details may be supplied on request.

The sales of this product shall be subject to Diverse Urethanes' Standard Condition of Sales.