

Ultimate Pro 100H PRODUCT DATA SHEET

Date Issued: 26th May 2008
Page 1 of 2

Description :	Ultimate Pro 100H is an extremely versatile modified polyurea or 'hybrid' elastomeric coating. Hybrids are coating systems that contain both polyurea and polyurethane components, to meet both performance and low cost parameters. Ultimate Pro 100H has a very high polyurea content for a hybrid. Hybrids are also rapid setting and rapid curing with a 100% solids product containing no VOC's or Solvents. Ultimate Pro 100H is a flexible, aromatic, two component spray applied lining that is ideally suited to protecting concrete and metal surfaces. Ultimate Pro 100H is applied using heated plural component spray equipment such as Graco plural component spray equipment.																						
Typical uses :	Tank linings subject to abrasion and chemical attack. Waste water applications, abrasion protection in mining, fiberglass, aluminium, AC sheeting, various foams and geotextile.																						
Product properties :	<table><tr><td>Service Temperature</td><td>: -10 to +110° C</td></tr><tr><td>Elongation</td><td>: >245% @ 25 ° C</td></tr><tr><td>Tensile strength</td><td>: >2700psi (+/- 200psi)</td></tr><tr><td>Tear Resistance Die C</td><td>: 320 to 345pli</td></tr><tr><td>Shore hardness</td><td>: 92 ±3 A</td></tr><tr><td>Abrasion resistance</td><td>: <0.63% loss (H-18 wheel)</td></tr><tr><td></td><td>• Good chemical resistance</td></tr><tr><td></td><td>• Low temperature flexibility</td></tr><tr><td></td><td>• Excellent temperature stability</td></tr></table>	Service Temperature	: -10 to +110° C	Elongation	: >245% @ 25 ° C	Tensile strength	: >2700psi (+/- 200psi)	Tear Resistance Die C	: 320 to 345pli	Shore hardness	: 92 ±3 A	Abrasion resistance	: <0.63% loss (H-18 wheel)		• Good chemical resistance		• Low temperature flexibility		• Excellent temperature stability				
Service Temperature	: -10 to +110° C																						
Elongation	: >245% @ 25 ° C																						
Tensile strength	: >2700psi (+/- 200psi)																						
Tear Resistance Die C	: 320 to 345pli																						
Shore hardness	: 92 ±3 A																						
Abrasion resistance	: <0.63% loss (H-18 wheel)																						
	• Good chemical resistance																						
	• Low temperature flexibility																						
	• Excellent temperature stability																						
Properties of the liquid product :	<table><tr><td>Specific mass</td><td>: 1.11kg/l</td></tr><tr><td>Volume of solid substance</td><td>: 100%</td></tr><tr><td>Solvents</td><td>: Solvent free</td></tr><tr><td>VOC</td><td>: VOC free</td></tr><tr><td>Storage</td><td>: If stored off ground and unopened @ between 15 and 30 deg C, at least 12 months after the production date.</td></tr></table>	Specific mass	: 1.11kg/l	Volume of solid substance	: 100%	Solvents	: Solvent free	VOC	: VOC free	Storage	: If stored off ground and unopened @ between 15 and 30 deg C, at least 12 months after the production date.												
Specific mass	: 1.11kg/l																						
Volume of solid substance	: 100%																						
Solvents	: Solvent free																						
VOC	: VOC free																						
Storage	: If stored off ground and unopened @ between 15 and 30 deg C, at least 12 months after the production date.																						
Application information :	<table><tr><td>Method</td><td>: Heated plural spray equipment</td></tr><tr><td>Spraying temperature</td><td>: 50°C - 65°C</td></tr><tr><td>Pot Life</td><td>: not applicable.</td></tr><tr><td>Coverage</td><td>: 1kg @ 1mm DFT / M2</td></tr><tr><td>Gel Time</td><td>: 8-12 seconds</td></tr><tr><td>Tack Free Time</td><td>: approx 20 to 30 seconds.</td></tr><tr><td>Can be walked on</td><td>: Almost immediately after application.</td></tr><tr><td>Resistant to chemicals</td><td>: 95% cure in 24 hours @ 20° C</td></tr><tr><td>Wear-resistant</td><td>: 95% cure in 24 hours @ 20° C.</td></tr><tr><td>Recoat Time</td><td>: same day</td></tr><tr><td>Mixing ratio</td><td>: 1:1 by volume.</td></tr></table>	Method	: Heated plural spray equipment	Spraying temperature	: 50°C - 65°C	Pot Life	: not applicable.	Coverage	: 1kg @ 1mm DFT / M2	Gel Time	: 8-12 seconds	Tack Free Time	: approx 20 to 30 seconds.	Can be walked on	: Almost immediately after application.	Resistant to chemicals	: 95% cure in 24 hours @ 20° C	Wear-resistant	: 95% cure in 24 hours @ 20° C.	Recoat Time	: same day	Mixing ratio	: 1:1 by volume.
Method	: Heated plural spray equipment																						
Spraying temperature	: 50°C - 65°C																						
Pot Life	: not applicable.																						
Coverage	: 1kg @ 1mm DFT / M2																						
Gel Time	: 8-12 seconds																						
Tack Free Time	: approx 20 to 30 seconds.																						
Can be walked on	: Almost immediately after application.																						
Resistant to chemicals	: 95% cure in 24 hours @ 20° C																						
Wear-resistant	: 95% cure in 24 hours @ 20° C.																						
Recoat Time	: same day																						
Mixing ratio	: 1:1 by volume.																						
Types of containers :	205L drums																						

Ultimate Pro 100H PRODUCT DATA SHEET

Date Issued: 26th May 2008
Page 2 of 2**Surfaces :****Existing Linings**

Existing lined surfaces or joins between sprayed areas must be cleaned and primed before re-lining or overlapping joins.

Concrete

Concrete must be in good condition, dry, free of grease and contaminants. Ensure all loose dirt, concrete and other contaminants are removed. New concrete should be cured for 28 days prior to lining. Sandblast and / or grind floated concrete to ensure a clean well profiled surface.

Clean contaminated and greasy surfaces (oil and fat), preferably using a high pressure steam cleaner with an appropriate detergent cleaning agent. Several applications of the cleaning process maybe necessary to achieve a clean surface. In the event high pressure detergent cleaning does not produce a clean surface grit blasting maybe necessary.

Any expansion joints in the surface should be maintained.

Steel

Sandblast (Class 2½) surfaces that contain metal and apply a holding primer, if desired, with rust-inhibiting properties.

Other surfaces

For information regarding applying Ultimate Pro 100H to other surfaces please contact your supplier.