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## PRODUCT DATA SHEET



# PUrea H

EN 1504-2

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<b>PRODUCT DESCRIPTION</b>	Btmseal PUrea H is a two component, solvent free, hot applied, high mechanical and chemical resistance performance, very fast curing, hybrid polyurea based waterproofing coating. It creates a seamless, robust and crack-bridging structure with high abrasion and compression resistance after application.			
<b>PRODUCT USAGE</b>	Mineral and metal based, desired waterproofing; Roofs, terraces and balconies, Water tanks and tanks, Swimming pools, Treatment facilities, Parking lots, Green roof applications, Channels, Tunnels.			
<b>PRODUCT SPECIFICATION</b>	Solvent-free, Continuous waterproofing, Fast curing, Spray (heated) application, Crack bridging, High chemical resistance, High adherence strength, High abrasion resistance, Elasticity, Easy application on horizontal and vertical surfaces, Forming a bubble-free coating with appropriate surface preparation and priming.			
<b>APPLICATION METHOD</b>	<p>The surface must be free of all kinds of dust, weak parts, oil, etc. A successful application can be achieved with the right surface preparation and the use of the right material.</p> <ul style="list-style-type: none"> <li>The application surface must be dry.</li> <li>The application surface must have a minimum C25 concrete class. <ul style="list-style-type: none"> <li>Tensile Strength: 1.5 N/mm<sup>2</sup></li> <li>Compressive Strength: It should be 25 N/mm<sup>2</sup>.</li> </ul> </li> <li>Damages and irregularities on the application surface should be repaired with suitable materials.</li> <li>In order to achieve better adherence, it is recommended to roughen the application surface with tools such as milling cutters and blast trucks.</li> <li>The surface should be thoroughly cleaned of dust and waste with the help of an electric vacuum cleaner.</li> <li>Btmseal AA 0106 Epoxy Based Solvent Free Transparent Impregnation Primer (surface moisture &lt;4%) or Btmseal E2K NB Transparent Epoxy Primer (surface moisture &lt;8%) should be used as a primer.</li> <li>Btmseal PUrea H should be applied with a special heated airless spray designed for Purae.</li> <li>After applying Btmseal PUrea H, missing, faulty or thinly applied areas should be corrected by reapplication within a maximum of 4 hours after the application.</li> <li>After the application, the material should be exposed to water, dew, dust, etc. for 24 hours. effects must be protected.</li> <li>If the material will not be covered with another material, Btm Seal PU 1260 Polyurethane based U.V. should be covered with protective coating material.</li> </ul>			
<b>CONSUMPTION</b>	Component A: 220 Kg. Barrel, Component B: 200 Kg. Barrel			
<b>PACKAGING</b>	<ul style="list-style-type: none"> <li>Opened packages should be completely finished and should not be left unfinished.</li> <li>No other material should be added to Btmseal PUrea H product.</li> <li>Do not thin with any thinner.</li> <li>After curing, Btmseal PUrea H is completely healthy.</li> </ul>			
TEST	METOD	UNIT	TOLERANCE	RESULT
Base	-	-	-	Polyurea-Polyurethane Hybrid
Colour	-	-	-	Ral 7046
Density A Density B	EN ISO 2811-1	g/ml	±0,01	1,11 1,02
Viscosity A Viscosity B	ASTM 2196	c P	±100	600
Tensile Strenth	ASTM D 412& EN ISO 527-3	N/mm <sup>2</sup>	±2	15
Elongation	ASTM D 412& EN ISO 527-3	%	±30	400
Fire Class	EN 13501-1	-	-	E
Water vapour Transmission Properties ( SD)	EN ISO 7783	m	SD<5	CLASS I
Carbondioxide permeability	EN 1062-6	m	SD>50	CO <sub>2</sub> SD> 50m
Measurements of bond strength by pull-off	EN 1542	N/mm <sup>2</sup>	≥ 1,5	Crack sealing/bridging or flexible systems with the traffic load
Liquid-water transmission rate (permeability)	EN 1062-3	kg/m <sup>2</sup> .h <sup>0.5</sup>	≤0,1	0,016
Shore	ASTM D 2240& EN ISO 868	Shore A	±5	85
Resistance to Plant Root Penetration	TS EN 14416	-	-	Pass
Dangerous materials	-	in accordance with clause 5.4		

NPD = (No performance defined)

\* For information and advice on the safe handling, storage and disposal of chemical products, users shall refer to the most recent Material Safety Data Sheet

The manufacturer serves the right to modify, at any time, the characteristics of its products

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