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# DATA SHEET

Issue date: 01/01/09  
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 Edition N°: 1  
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## POLURENE HR.B.S

<b>Type of Polymer:</b>	Aromatic isocyanurate based on Toluendiisocyanate, <b>with low TDI content.</b>																														
<b>Range of use:</b>	POLURENE HR.B.S is recommended for the industrial coating of wood and furniture for the formulation of polyurethane sealers and matt furniture finishing.																														
<b>Specifications:</b>  (°) DATA SHOWN ON ANALYSIS CERTIFICATE	<table border="0" style="width: 100%;"> <tr> <td colspan="2" style="text-align: center;"><b>POLURENE HR.B.S</b></td> </tr> <tr> <td style="text-align: right;">% Solid content</td> <td style="text-align: right;">50 ± 2 °</td> </tr> <tr> <td style="text-align: right;">Solvent</td> <td style="text-align: right;">Butyl Acetate °</td> </tr> <tr> <td style="text-align: right;">% free TDI monomer</td> <td style="text-align: right;">&lt; 0,5 °</td> </tr> <tr> <td style="text-align: right;">% NCO</td> <td style="text-align: right;">7,2 ± 0,2 °</td> </tr> <tr> <td style="text-align: right;">Vx (23c mPa*s)</td> <td style="text-align: right;">600 ± 200 °</td> </tr> <tr> <td style="text-align: right;">Vx (Gardner)</td> <td style="text-align: right;">L-P °</td> </tr> <tr> <td style="text-align: right;">Appearance</td> <td style="text-align: right;">Limpid °</td> </tr> <tr> <td style="text-align: right;">Colour (Gardner 1953)</td> <td style="text-align: right;">1 MAX °</td> </tr> </table> <table border="0" style="width: 100%;"> <tr> <td colspan="2" style="text-align: center;"><b>SOLUBILITY:</b></td> </tr> <tr> <td style="text-align: right;">KETONES</td> <td style="text-align: left;">Soluble</td> </tr> <tr> <td style="text-align: right;">ESTERS</td> <td style="text-align: left;">Soluble</td> </tr> <tr> <td style="text-align: right;">ESTERS OF GLICOLETHERS</td> <td style="text-align: left;">Soluble</td> </tr> <tr> <td style="text-align: right;">AROMATICS</td> <td style="text-align: left;">Limited soluble</td> </tr> <tr> <td style="text-align: right;">ALIPHATICS</td> <td style="text-align: left;">Insoluble</td> </tr> </table> <p>It is inadvisable to use solvents containing reactive groups (alcohols, amines, glycolethers etc.) as they react with POLURENE HR.B.S.          It is recommended to use always urethane grade solvents (&lt; 0,05% water).</p>	<b>POLURENE HR.B.S</b>		% Solid content	50 ± 2 °	Solvent	Butyl Acetate °	% free TDI monomer	< 0,5 °	% NCO	7,2 ± 0,2 °	Vx (23c mPa*s)	600 ± 200 °	Vx (Gardner)	L-P °	Appearance	Limpid °	Colour (Gardner 1953)	1 MAX °	<b>SOLUBILITY:</b>		KETONES	Soluble	ESTERS	Soluble	ESTERS OF GLICOLETHERS	Soluble	AROMATICS	Limited soluble	ALIPHATICS	Insoluble
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<b>Properties and application :</b>	<p>Thanks to high reactivity, good elasticity and resistance to cold-check, POLURENE HR.B.S is recommended for the formulation of matt and semi-glossy sealers and topcoat characterized by fast initial drying and easy sandability.</p> <p>Compared to standard isocyanurate based on TDI, POLURENE HR.B.S has longer pot life, it is more elastic and it can tolerate a bigger quantity of aromatic solvents. It is compatible with alkyd resins, acrylic resins and Nitro.</p> <p>In order to avoid turbidity and sedimentation, it is advisable not to store solutions based on POLURENE HR.B.S with too low binder content.</p> <p>POLURENE HR.B.S can be used in combination with POLURENE AD and POLURENE OKDS.</p>																														



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### POLURENE HR.B.S

<b>Storage and warranty:</b>	In sealed drums we guarantee a storage life of six months, provided POLURENE HR.B.S. is stored under dry and cool condition. Once opened the product should be used rapidly, because like all isocyanates, it is sensible to moisture.
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The technical information provided in this sheet or given in oral or written form is based on our best knowledge and experience. These data, even technical and safety ones, are only suggestions, so they don't have to be considered as binding. The customer must test our products, technical assistance and information, to define to its satisfaction whether they are suitable for the intended use and application. The use, manufacture and the application conditions of our products are carried out beyond our control so they are under customer's responsibility. Sapici SpA guarantees the constant quality of the product, sales and delivery conditions.