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# DATA SHEET

Issue date: 17/11/10  
 Last review date: 17/11/10  
 Edition N°: 1  
 Page: 1 of 2

## POLURGREEN XP AB

<b>Type of Polymer:</b>	Aromatic isocyanurate based on Toluene diisocyanate.																				
<b>Range of use:</b>	POLURGREEN XP AB is recommended for the formulation of polyurethane sealers and topcoats <b>with high solid content (VOC &lt; 500 gr/L)</b> .																				
<b>Specifications:</b>  (°) DATA SHOWN ON ANALYSIS CERTIFICATE	<b>POLURGREEN XP AB</b>																				
	<table style="margin-left: auto; margin-right: auto;"> <tr> <td>Appearance</td> <td>Clear</td> <td></td> </tr> <tr> <td>% NV</td> <td>70 ± 2</td> <td>°</td> </tr> <tr> <td>Solvent</td> <td>Butyl Acetate</td> <td></td> </tr> <tr> <td>% Free TDI monomer</td> <td>&lt; 0,5</td> <td>°</td> </tr> <tr> <td>% NCO</td> <td>13,0 ± 0,5</td> <td>°</td> </tr> <tr> <td>Viscosity (23°C mPa*s)</td> <td>1400 ± 600</td> <td>°</td> </tr> <tr> <td>Colour (Gardner 1953)</td> <td>1 MAX</td> <td>°</td> </tr> </table>	Appearance	Clear		% NV	70 ± 2	°	Solvent	Butyl Acetate		% Free TDI monomer	< 0,5	°	% NCO	13,0 ± 0,5	°	Viscosity (23°C mPa*s)	1400 ± 600	°	Colour (Gardner 1953)	1 MAX
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	<p style="text-align: center;"><b>SOLUBILITY:</b></p> <table style="margin-left: auto; margin-right: auto;"> <tr> <td>KETONES</td> <td>Soluble</td> </tr> <tr> <td>ESTERS</td> <td>Soluble</td> </tr> <tr> <td>ESTERS OF GLICOLETHERS</td> <td>Soluble</td> </tr> <tr> <td>AROMATICS</td> <td>Soluble</td> </tr> <tr> <td>ALIPHATICS</td> <td>Insoluble</td> </tr> </table> <p>It is inadvisable to use solvents containing reactive groups (alcohols, amines, glycolethers etc.) as they react with POLURGREEN XP AB.          It is recommended to use always urethane grade solvents (&lt; 0,05% water).</p>	KETONES	Soluble	ESTERS	Soluble	ESTERS OF GLICOLETHERS	Soluble	AROMATICS	Soluble	ALIPHATICS	Insoluble										
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<b>Properties and application :</b>	<p>POLURGREEN XP AB is an aromatic isocyanate <b>recommended for the formulation of two components polyurethanic varnishes with a VOC content lower than 500 gr/L, in accordance with the directive EU 42/04 (step VOC 2010)</b>.</p> <p>Its chemical structure combines the performances of isocyanurates with the low viscosity needed to formulate high solid systems, providing characteristics such as:</p> <ul style="list-style-type: none"> <li>- Fast drying and quite long pot life;</li> <li>- High solid content and low viscosity;</li> <li>- Higher flexibility compared with standard isocyanurates;</li> <li>- High NCO content suitable for crosslinking high solid resins which have high OH content.</li> <li>- Excellent <b>compatibility</b> with: OH terminated acrylics, aromatic solvents, nitrocellulose and CAB.</li> </ul>																				



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### POLURGREEN XP AB

<b>Storage and warranty:</b>	It is recommended to store POLURGREEN XP AB in its original sealed drums, in a dry and dark place at temperatures from 0 to 35 °C. When stored in these conditions, we guarantee a shelf life of six months. Once opened, the drums should be used in short time because POLURGREEN XP AB, like all the isocyanates, reacts with moisture. Complete polymerization could happen if prolonged exposure to air occurs.
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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.