



S.A.P.I.C.I. Spa
 20063 Cernusco sul Naviglio (MI)
 Via Bergamo, 2
 Tel. +39 02 921871
 Fax +39 02 92141949
 www.sapici.it

TECHNICAL DATA SHEET

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POLURGREEN M 570

Type of polymer:	Moisture curing aromatic polyurethane prepolymer.																															
Range of use:	POLURGREEN M 570 is an urethane prepolymer recommended for the formulation of 1K PU coatings with high solid content (VOC<500gr/LT) and low viscosity.																															
Specifications: (°) DATA SHOWN ON ANALYSIS CERTIFICATE	<p style="text-align: center;">POLURGREEN M 570</p> <table style="width: 100%; border: none;"> <tr> <td style="text-align: right;">% NV</td> <td style="text-align: right;">70 ± 1</td> <td style="text-align: right;">◦</td> </tr> <tr> <td style="text-align: right;">Solvent</td> <td style="text-align: right;">Butyl Acetate</td> <td></td> </tr> <tr> <td style="text-align: right;">Viscosity (23°C mPa*s)</td> <td style="text-align: right;">800 ± 200</td> <td style="text-align: right;">◦</td> </tr> <tr> <td style="text-align: right;">% NCO</td> <td style="text-align: right;">7,0 ± 5</td> <td style="text-align: right;">◦</td> </tr> <tr> <td style="text-align: right;">% Free TDI monomer</td> <td style="text-align: right;">< 0,5</td> <td style="text-align: right;">◦</td> </tr> <tr> <td style="text-align: right;">Colour (Gardner)</td> <td style="text-align: right;">1 MAX</td> <td style="text-align: right;">◦</td> </tr> <tr> <td style="text-align: right;">Aspect</td> <td style="text-align: right;">Clear</td> <td></td> </tr> </table> <p style="text-align: center;">SOLUBILITY</p> <table style="width: 100%; border: none;"> <tr> <td style="text-align: left;">KETONES</td> <td style="text-align: right;">Soluble</td> </tr> <tr> <td style="text-align: left;">ESTERS</td> <td style="text-align: right;">Soluble</td> </tr> <tr> <td style="text-align: left;">ESTERS OF GLICOETHERS</td> <td style="text-align: right;">Soluble</td> </tr> <tr> <td style="text-align: left;">AROMATICS</td> <td style="text-align: right;">Limited</td> </tr> <tr> <td style="text-align: left;">ALIPHATICS</td> <td style="text-align: right;">Insoluble</td> </tr> </table> <p>It is inadvisable to use solvents containing reactive groups (alcohols, amines, glycolethers etc.) as they react with POLURGREEN M 570. It is recommended to use always urethane grade solvents (< 0,05% water).</p>	% NV	70 ± 1	◦	Solvent	Butyl Acetate		Viscosity (23°C mPa*s)	800 ± 200	◦	% NCO	7,0 ± 5	◦	% Free TDI monomer	< 0,5	◦	Colour (Gardner)	1 MAX	◦	Aspect	Clear		KETONES	Soluble	ESTERS	Soluble	ESTERS OF GLICOETHERS	Soluble	AROMATICS	Limited	ALIPHATICS	Insoluble
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Properties and application :	POLURGREEN M 570 is compatible with resins of UCOPOL M and REXIN range, with nitrocellulose and vinyl copolymers. Chemical resistance to agents like acids, alkali and detergents is similar to the one provided by two component coatings. The drying time and the film hardness depend on the relative humidity and on the environment temperature. As with any product, use of POLURGREEN M 570 in a given application must be tested in advance by the user to determine suitability.																															
Storage and warranty:	In sealed drums we guarantee a storage life of 6 months, provided POLURGREEN M 570 is stored under dry cool condition. Once opened the product should be used short time, because it is sensitive to moisture that can cause the curing of the product inside the drum.																															

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.