



## TECHNICAL DATA SHEET

# Orgasol<sup>®</sup> 2001 UD NAT 1



### MAIN APPLICATIONS

**Over Print Varnish, wood coating, plastic coating and flooring**

ORGASOL<sup>®</sup> 2001 UD NAT 1 is a **spheroidal powder** of polyamide 12, with **5 µm** as average diameter and a narrow particle size distribution. An extremely high level of quality is achieved thanks to our rigorous control of particle size distribution, providing **excellent consistency in performance**.

ORGASOL<sup>®</sup> 2001 UD NAT 1 is used as additive in coatings to provide **scratch and abrasion resistance and to adjust gloss level**.

ORGASOL<sup>®</sup> 2001 UD NAT 1 alone is suitable to achieve **satın finished**. In combination with silica or waxes, ORGASOL<sup>®</sup> 2001 UD NAT 1 can achieve deep matt finishes while keeping high abrasion and scratch resistance. The best performances are obtained in coatings with low thickness (below approx. 20 µm).

The **high chemical resistance of polyamide 12** and the particle size distribution are among the key parameters that make ORGASOL<sup>®</sup> 2001 UD NAT 1 **compatible with most resins** and common formulating additives used in coating industry. It can be added to interior or exterior paints and to solvent based, water based or 100% solid UV curable systems.

### CHARACTERISTICS

		METHOD
<b>Appearance:</b>	White spheroidal powder	Visual
<b>Average diameter:</b>	5 microns	ISO 13319
<b>Particle size distribution:</b>		
<b>Fine particles &lt; 2.5 microns</b>	2 max. %	ISO 13319
<b>Coarse particles &gt; 10 microns</b>	5 max. %	ISO 13319
<b>Average Specific Surface Area:</b>	9 m <sup>2</sup> /g	ISO 9277
<b>Apparent density unpacked:</b>	0.215 g/cm <sup>3</sup>	ISO 1068
<b>Melting point:</b>	177 °C	ISO 11357-3

### PACKAGING

10 Kg multilayers bags

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