

## TECHNICAL DATA SHEET

**CLEAR OP 9008**
**Acrylic clear varnish**

FEATURES	Matt, transparent, acrylic, non-yellowing two-component paint, catalysed with aliphatic polysocyanate, drying at room temperature or forced air. The dried film ensures excellent elasticity, resistance to impact, scratching, abrasion and chemical attack.			
USE	Applied directly on different substrates such as light alloys, polyurethane, acetate, ABS, polycarbonate, concrete, marble suitably cleaned, it is suitable for protection from atmospheric agents. It is also used as a protective finish in two-coat systems and on metallics where high mechanical and UV resistance and a good aesthetic finish are required.			
PRODUCT PROPERTIES	DESCRIPTION	VALUE		METHOD
	Specific weight (A+B)	900 - 1000g/l		
	Operating temperature	< + 120°C		
	Solids by volume %	50% ± 2 with MS Polyurethane Hardener		
	Drying	Overlapping 4 h Complete 5 days		Internal PF2
SPECIFICATIONS	DESCRIPTION	VALUE		METHOD
	Specific weight	1000 - 1050g/l		Internal PF3
	Gloss	10 - 20		Internal PF6
	Pot-life	4 h		Internal PF7
THICKNESS AND YIELD		Minimum	Maximum	Recommended
	Dry film thickness, µm	40	75	55
	Wet film thickness, µm	80	150	110
	Theoretical yield, m²/l	12,5	6,7	9.1
	Theoretical yield, m²/kg	13.2	7.1	9,6
STORAGE	The product is stable 1 year if stored in the original containers at a temperature between +5°C and +30°C.			
COLOUR	Transparent colourless			
SURFACE PREPARATION	The treatment of the surface to be coated is of primary importance and has an impact on the performance of the coating cycle. Good and correct preparation of the substrate is a quality guarantee on the durability of the coating: a high quality product applied on a poor substrate or one that has been treated inadequately is destined to wear out prematurely, characterised by possible deterioration of the coating itself.			

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**LIGHT ALLOYS**

Sand lightly with P180-P220 sandpaper. Clean the surface to be treated well with Nitro NV 5000 thinner and make sure it is dry and free of silicone, waxes, grease and unrelated substances in general.

**METAL SURFACES**

Pressure wash Wa 2 grade (surface free of oil, grease, salts, dirt) and apply.

**COATED SURFACES**

*Complete coating with metallic finish or double layer:* apply directly, respecting overlapping times.

*Maintenance coating:* with intact coating, pressure wash Wa 2 grade (surface free of oil, grease, salts, dirt) and reapply.

**TOOLS**

Regular or airless spraying (at high temperatures and humidity <40% 'dusting' is possible).

**APPLICATION**

Mixing ratio by weight	100:40 with INDURITORE POLIURETANICO MS or INDURITORE PUR 301
Mixing ratio by volume	100:40 with INDURITORE POLIURETANICO MS or INDURITORE PUR 301
Dilution	0-5% with Butol Thinner
Usage time 23°C	4h
Application Conditions	+5°C +40°C Relative humidity: < 70%.
Airless application mode	Nozzle pressure: 15 MPa (= 150 bar) (150 kp/cm <sup>2</sup> , 2100 psi). Nozzle: 0.2 - 0.28mm (0.008 - 0.011") Fan angle: 40 - 80°.
Conventional spray application method	Nozzle: 1.4 - 1.6 mm Fan angle: 30 - 50°. Air pressure: 3.5-4 kg/cm <sup>2</sup> (=3.4 - 3.9 bar)
Washing thinner	Nitro Thinner NV 5000

**DRYING**

The data provided should be regarded as purely indicative. The actual drying time may be longer or shorter, depending on film thickness, ventilation, humidity. When overcoating, the best adhesion is achieved when the next coat is applied before the complete curing time.

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DTF 60 microns				
Surface temperature	5°C	10°C	23°C	30°C
Out of dust	2h	60 min	45 min	30min
Dry to the touch	16h	8h	4h	3,5h
Full catalysis	7 days	6 days	5 days	4 days
Overlap time min.	16h	8h	4h	3,5h
Max. overlap time	7 days	6 days	5 days	4 days

**RECOMMENDED  
BASECOATS**

Polyurethanes and epoxies

**RECOMMENDED  
SYSTEM**

Urban, industrial and marine atmospheres

Product	Layers	Wet thickness	Dry thickness
Filler 46	1	100	60
Pur Top 52	1	120	55
Clear OP 9008	1	110	55
<b>Total</b>	<b>3</b>	<b>330</b>	<b>170</b>

**POSSIBLE SYSTEMS**

Product	Layers	Wet thickness	Dry thickness
Primer 40	1	100	60
Acrilcap 42 ral 9006	1	120	55
Clear OP 9008	1	110	55
<b>Total</b>	<b>3</b>	<b>330</b>	<b>170</b>

**WARNINGS**

In order to carry out the work in a workmanlike manner, it is essential to follow the instructions in the CAP Arreghini books. The specification data were determined at +23°C with 65% relative humidity in the room and with the specified thicknesses. Under different conditions, the data and times between operations vary. The technical information contained herein is indicative only. Due to the enormous variety of substrates and application conditions, it is advisable to check the suitability of the product and its effectiveness by means of tests carried out on the specific application.