

1-pack clearcoat for industrial coatings, solvent-based

Application

Clearcoat with high chemical and mechanical resistance, suitable for industrial coatings like drums, mirrors and other decorative surfaces. Low formaldehyde content.

Components	Solid content [%]	Amount [g]
Lioptal A 453 ⁽¹⁾	60	48.6
n-Butanol		11.2
Solvesso 100 ⁽²⁾		11.2
Solvesso 150 ⁽²⁾		11.2
Byk-310 ⁽³⁾		0.1
Byk-358 N ⁽³⁾		0.4
Resimene 720 LF ⁽⁴⁾	70	17.3
Total		100.0
Theoretical solids (%)		42
Ratio Resin / Crosslinker (solid resins)		70 : 30
Viscosity (DIN 53211 4 mm cup, 23°C, sec)		36 s

(1) www.synthopol.com (2) www.corporate.exxonmobile.com

(3) www.byk.com (4) www.prefere.com/en/melamines

(5) www.kingindustries.com

Manufacturing Procedure

While stirring, mix all raw materials in the order indicated until homogeneous.

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Coating Application	
Substrate	Steel plate
Wet film application (spiral doctor blade)	150 µm
Dry film thickness	35 µm
Curing conditions	10 min 23 °C, 20 min 140 °C

Film Properties	
Gloss 20° *	87 GU
Pendulum hardness (König)	162 s
Erichsen cupping*	5.9 mm
Adhesion (DIN EN 2409)*	gt 0
Chemical resistance (Xylene)	30 min
MEK double rub test (EN 13523-11:2019; Ø1.6cm; 9.5N)	> 100 DR

* applied on steel plate, pre-coated with solvent-based primer surfacer, 15 µm DFT

Handling and safety requirements

Detailed information is available in the safety data sheet of the individual raw materials.

Common indications

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