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Epoxol[®] Floor Elastic

Two-component elastic multipurpose solvent-free epoxy system

Fields of Application	Epoxol [®] Floo based floors factories, labo slaughterhous excellent cove Elastic is also	Pr Elastic is a suitable screed that can be applied on cement- which need high mechanical and chemical resistance, e.g. oratories, warehouses, superstores, parking places, garages, es, refrigerators, larders, hospitals, schools, etc. Thanks to its ering of cracks and imperfections and its elasticity, Epoxol [®] Floor or recommended for repair and refurbishment of old floors.
Properties/	Epoxol [®] Flo	or Elastic is an innovative two-component epoxy system based
Advantages	 on selected resins and hardeners without solvents, with significant elasticity, that show great abrasion and chemical resistance (to alkalis, solutions of acids, water, petroleum oils and many solvents). Compliant with the regulation 2004/42/EC for limitation of V.O.C. in paints and varnishes. 	
	Technical Characterist	ics
Appearance		Gloss
Density (EN ISO 2811.01)		1,45 kg/l (Comp. A), 0,98 kg/l (Comp. B)
Mixing ratio (weight prop	ortion)	100A:80B
Consumption		500-650gr/m ² per layer (depending on substrate)
Substrate Temperature		+12°C to +35°C
Ambient Temperature		+12°C to +35°C
Surface humidity content		<4%
Relative atmospheric humid	lity	<70%
Total hardening		~ 7 days
Abrasion Resistance		28 mg - Taber Test ASTM D 4060 (CS 10/1000/1000)
Adhesion Strength (EN 1389	92-8)	≥2,5 N/mm²
Hardness (Shore D, ASTM 2	2240)	40 (at +25°C)
Resistance to temperature		From -50°C to +80°C





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Pot Life

Temperature	Time
+12°C	1,5 hour
+25°C	1 hour
+30°C	1 hour

Overcoating

Temperature	Time
+12°C	48 hours
+25°C	48 hours
+30°C	48 hours

Walkability

Temperature	Time
+12°C	48 hours
+25°C	48 hours
+30°C	48 hours





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Quality/Preparation of Substrate	The concrete substrate must be sound and of sufficient compressive strength (minimum 25 N/mm ²) with a minimum pull off strength of 1.5 N/mm ² . The substrate must be clean, dry (surface humidity content <4%) and free of all contaminants such as dirt, oil, grease, coatings and surface treatments, etc. Concrete substrates must be prepared mechanically using abrasive blast cleaning or scarifying equipment to remove cement laitance and achieve an open textured surface.
	pulveriser for lower material consumption and achieving better adhesion properties.
Application of Primer	Construction Surfaces:
	Epoxol [®] Primer (thinned 10% per weight with solvent Neotex 1021) is applied in one layer (2 coats required in cases of increased porosity of the substrate) with roller, brush or airless spray. Before applying, mix both components (A&B) thoroughly to the correct predetermined mixing proportion by weight using a low speed electric stirrer for 2-3 minutes. When the substrate contains humidity more than 4% or there is rising moisture the surface should be primed with Neopox [®] Primer AY . Otherwise as a primer it can be applied Epoxol [®] Primer SF (solvent-free epoxy primer) or if the moisture of the substrate is up to 8%, if there is not rising moisture and the substrate temperature is > +12°C the surface should be primed with water-based primer Acqua [®] Primer .
	Metallic Surfaces:
	The surfaces should be free of rust or any corrosion that may prevent bonding and it should be prepared by brushing, grinding or sand blasting. Afterwards apply one coat of Neopox [®] Special Primer 1225 diluted 8-10% with solvent Neotex 1021 to protect against rust. Before applying the primer, mix both components (A&B) thoroughly and apply within 3 hours by brush, roller or airless spray.
Instructions for use	After the drying of the primer, Epoxol[®] Floor Elastic is applied with spatula, brush or squeegees. Mix both components A&B thoroughly to the correct predetermined mixing proportion by weight. Epoxol[®] Floor Elastic must be thoroughly mixed using a low speed electric stirrer and It is important to stir the mixture thoroughly near the sides and bottom of the container. Mix continuously for 3-5 minutes until a uniform epoxy mortar is formed.
Notes	Low temperatures and high humidity during application prolong drying time, etc
	• Allow at least 4 weeks to pass between casting new concrete structures and painting them with the product.
	• For avoiding bubbles on the final surface, use a spiked roller.
	• Direct and continuous exposure to UV radiation can cause over time the chalking phenomenon.
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to be filled with **Epoxol[®] Putty**.

- After stirring the whole mix, pour the mortar soon enough in order to prevent high temperature and polymerization inside the container.
- The substrate temperature must be at least 3°C above dew point to reduce the risk of condensation or blooming on the floor finish.



Cleaning of Tools	Use solvent Neotex 1021 immediately after application.
Stain Removal	Use solvent Neotex 1021 when the stain is still fresh and damp. In case of hardened stains, use mechanical means.
Colors	Beige (RAL 1015), grey (RAL 7047), terracotta (RAL 3009). Tailor-made shades can be produced for a minimum quantity, upon special arrangement.
Packing	Sets 18kg in fixed weight proportion.
Storage Stability	3 years (5-45°C) in sealed tin cans.
Safety Precautions	See Safety Data Sheets.
Auxiliary Materials	Epoxol [®] Primer: Set 5kg, 10kg
	Epoxol [®] Primer SF: Set 10kg
	Neopox [®] Primer AY: Set 5kg
	Acqua [®] Primer: Set 7kg
	Neopox [®] Special Primer 1225: Set 1kg, 5kg
	Solvent Neotex 1021: Tin cans 1kg, 5kg, 20kg
	Epoxol[®] Putty: Set 1kg, 6kg, 20kg