TDS

POLYAC® 61

Top coating for POLYAC® systems

USE

POLYAC® 61 is a flexible top coating for POLYAC® floor systems.
POLYAC® 61 is the recommended top coat for POLYAC® floor systems with frequent traffic.
High reactivity and fast curing, also at low temperatures.

POLYAC® 61 is transparent, and can be coloured by adding pigment powder.

Impermeable top coating with excellent adhesion, high mechanical and wear resistance.

CHEMICAL RESISTANCE

Polymerised POLYAC® resins have high chemical resistance to alkalis, petroleum derivatives, acids, salts and maintenance products. For more information, please contact us.

PROPERTIES

- High reactivity
- Short throughput time
- Applicable at low temperatures
- Can be coloured
- Good impact resistance
- Optimal viscosity
- Light steady
- Tough, flexible

APPLICATIONS- PROCESSING

• Preparing the substrate

POLYAC® 61 top coating is applied exclusively to a POLYAC® primer or other POLYAC® system. The primer must be suited to the type of substrate. (ref. technical data sheets)
Previously applied POLYAC® coats must be cured completely and free of impurities such as grease, oil, dust and the like.

The optimal processing temperature varies between +5°C and +35°C. For temperatures less than +5°C, please contact us.

• Mixing

Mix POLYAC® 61 thoroughly before use. Paraffin may separate during storage.
Dose a quantity of resin that can be processed within a period of 15 minutes. Add 1 to 4% hardener powder. POLYAC® CATALYST has to be ordered separately.
Mix until the powder is completely dissolved.

Temp:	grammes POLYAC® Hardener per 100 grammes POLYAC® 61
5°C	4g
10°C	3g
20°C	2g
30°C	1g

For colouring POLYAC® 61, 10% pigment powder is added and mixed until homogeneous before adding the POLYAC® CATALYST .

• Application

Distribute POLYAC® 61 evenly using a rubber squeegee or a short-haired paint roller.
Apply sufficient POLYAC® 61 to obtain a sealing top coat.
Do not disturb the paraffin layer that is formed during hardening.

Processing time of POLYAC® 61: 10 to 15 minutes.

• Subsequent processing

The cured coating can be walked on after one hour.
Full chemical resistance is achieved two hours after curing.

Resiplast

Steadfast
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PACKAGING

POLYAC® 61	20kg	Metal pall
	180kg	Drum

To be ordered separately

POLYAC® CATALYST	0,5kg	Plastic pall
	5kg	Plastic pall
	25kg	Box
Pigment powder	1kg	Plastic pall
	5kg	Plastic pall
	25kg	Bag

TECHNICAL PROPERTIES

Appearance:	Low viscosity, azure, slightly cloudy liquid
Odour:	Methyl methacrylate
Initiator: POLYAC® CATALYST	BPO 50%, as a function of temperature, from 1% to 4% by weight, calculated on percentage of POLYAC® 61
Pot life:	10 to 15min (20°C)
Cleaning of equipment:	MEK or ethyl acetate
Viscosity:	120 - 160mPa.s (20°C Brookfield, spindle III/200 rpm)
Density:	1.0g/cm³ ±0.3 (20°C)
Flash point:	10°C (MMA, DIN 51755)
Curing test: (test volume)	300g POLYAC®61 with 6g hardener powder
Peak exotherm temperature:	130 – 145°C
POLYAC® 61 + 2% POLYAC® CATALYST	
Density:	0.98kg/dm³
Colour	transparent
Shore D hardness	70 – 80

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CONSUMPTION

Consumption: 0.35kg/m².
Consumption on an anti-slip substrate broadcast with colour quartz grain 0.8-1.2mm grain size: 0.6kg/m².
In the case of greater roughness or for smoothing out the roughness, consumption exceeds 0.8kg/m².

TO BE PURCHASED SEPARATELY

- Cleaning solvent for tools: MEK solvent
- POLYAC® CATALYST
- Pigment powder

STORAGE

Store POLYAC® products in a dry, well-ventilated storage area between 5°C and 35°C. Shelf life: 12 months.
When in doubt, contact us, stating the batch number on the packaging.
Do not discharge into groundwater/surface waters/sewers. Dispose of contaminated packaging and residues in compliance with applicable legal requirements.

SAFETY

Please read the safety data sheets carefully before using POLYAC® products. The products emit a characteristic odour during processing. Provide adequate ventilation. Keep away from sources of ignition. No smoking. Avoid skin contact. Eye irritation and/or hypersensitivity may occur at high vapour concentrations, upon inhalation and/or skin contact. Do not store food or beverages in the work area. Always wear personal protective equipment in accordance with all applicable local regulations and legislation. Gloves and safety goggles are mandatory.

CE CERTIFICATE

CE

Resiplast NV, Gulkenrodestraat 3, B-2160 Wommelgem

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EN 13813

Synthetic resin based coating for use in buildings.

Reaction to fire	E_{fl}
Release of corrosive substances	SR
Water permeability	NPD
Wear resistance (Taber)	<80mg (CS10-1000tr-1kg)
Adhesive pull strength	B 1,5
Impact resistance (DIN EN ISO 6272)	>6Nm
Sound insulation	NPD
Sound absorption	NPD
Thermal insulation	NPD
Resistance to chemicals	NPD

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