

USE

Fast curing resin for self-levelling floors with layer thickness from 1 to 5mm with smooth or antiskid surface.

POLYAC® 55 is ideally suited for impact resistant floor finishes, applications on slightly damaged substrates, and floors where limited thermal shock may occur.

POLYAC® 55 exhibits outstanding adhesion and its rapid reaction and high reactivity allow it to be used at temperatures below freezing point.

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
- Optimal viscosity
- Wide range of applications in combination with POLYAC® CATALYST and fillers

APPLICATIONS- PROCESSING

• Preparing the substrate

POLYAC® 55 self-levelling systems are applied exclusively to a POLYAC® primer. The primer must be suited to the type of substrate. (ref. technical data sheets)
The primer coating 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® 55 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® 55 |
|-------|---|
| 5°C | 4g |
| 10°C | 3g |
| 20°C | 2g |
| 30°C | 1g |

The amount of additives is determined by the layer thickness, climatic conditions and the application.

| Layer thickness | Mixing examples | Density |
|-----------------|--|-----------------------|
| 1 to 2mm | 1kg POLYAC® 55 resin + 2kg POLYAC® SL2 filler | 1,7kg/dm ³ |
| 3 to 5mm | 1kg POLYAC® 55 resin + 3kg POLYAC® SL2 or SL3 filler | 1,8kg/dm ³ |

• Application

Distribute the mixture with a spatula, rake or toothed trowel. Deaeration and levelling with a spiked roller is recommended.

An antiskid surface is obtained by broadcasting the required type of dry granulate until saturation is achieved. (4 to 5kg/m²)

Processing time: 10 to 15 minutes.

After one hour this coat can be covered with a POLYAC® top coating.

• Subsequent processing

The cured coating can be walked on after one hour.



PACKAGING

| | | |
|------------|-------|------------|
| POLYAC® 55 | 20kg | Metal pall |
| | 180kg | Drum |

To be ordered separately

| | | |
|-------------------|-------|--------------|
| POLYAC® CATALYST | 0,5kg | Plastic pall |
| | 5kg | Plastic pall |
| | 25kg | Box |
| POLYAC® SL Filler | 20kg | Bag |
| 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® 55 |
| Pot life: | 10 to 15min (20°C) |
| Cleaning of equipment: | MEK or ethyl acetate |
| Viscosity: | 150 - 200mPa.s (20°C Brookfield, spindle III/200 rpm) |
| Density: | 0.97g/cm ³ ±0.2 (20°C) |
| Flash point: | 10°C (MMA, DIN 51755) |
| Curing test: (test volume) | 300g POLYAC®55 with 6g hardener powder |
| Peak exotherm temperature: | 110 – 130°C |
| POLYAC® 55 + 2% POLYAC® CATALYST + SL2 or SL3 | |
| Density: | 1,7 - 1,8kg/dm ³ |
| Colour | Beige-brown |
| Shore D hardness | 75 – 85 |

CONSUMPTION

Consumption: 0.4 to 0.6kg POLYAC® 55 resin per m² per 1mm layer thickness.

TO BE PURCHASED SEPARATELY

- Cleaning solvent for tools: MEK solvent
- POLYAC® CATALYST
- POLYAC® SL Filler
- 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

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| 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) | <150mg (CS10-1000tr-1kg) |
| Adhesive pull strength | B 1,5 |
| Impact resistance (DIN EN ISO 6272) | >10Nm |
| Sound insulation | NPD |
| Sound absorption | NPD |
| Thermal insulation | NPD |
| Resistance to chemicals | NPD |

This information is provided in good faith, but without guarantee. The application, use and processing of the products are beyond our control and therefore your entire responsibility. Should Resiplast N.V. nevertheless be held liable for any damage, such liability will be limited to the value of the goods delivered by us. We are committed to providing high-quality goods at all times.
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