

GJØCOPOXY UNIVERSAL

GjøcoPoxy Universal is a two-component, solvent-free epoxy for surface treatment of concrete floors and other cement-based substrates. Can be used as a primer for epoxy and polyurethane coatings as well as compact coating, decorative coating and stone carpet coating for use in decorative areas.

APPLICATION

Warehouse / production
Corridors
Laboratories / technical rooms
Industrial premises
Hospitals / institutions
Showrooms / shops

PACKAGING

Set of 9 kg:
6 kg part A
3 kg part B

USER DATA

Color:	Transparent/yellow-ish.
Gloss:	Glossy.
Mixing rate:	6 kg part A and 3 kg part B.
Application method:	Toothed trowel, steel trowel or level rake. A spiked roller can be used to remove air bubbles.
Detergent:	Xylene or Isopropanol. Cured product can only be removed mechanically
Density (kg/l) A+B:	Ca. 1,08.
Viscosity (Brookfield):	Ca. 1 050 mPa·s.
Thinning:	The product should not be thinned
Potlife v/20°C:	30 min. Use immediately after part A and B are mixed.
Drying time (20°C, 50% R.H.):	
Dust dry:	Ca.7 hours
Walkable:	Ca.12 hours.
Curing time:	7 days.
Coating intervall, max.:	24 hours. At longer intervals, the surfaces should be sanded to ensure adhesion.
Minimum application temp. °C:	+12°C in substrate and air, and at least 3°C above the current dew point.
Storage temperature:	+12°C to +30°C.
Shelf life:	2 years in unopened packaging at normal storage temperature.

APPROXIMATE AMOUNTS

For application as dust binding or primer, 0.2 – 0.4 kg/m² per coat
For application as a compact coating system, in total from 1.5 kg/m²
For application as a non-slip decorative coating, total from 2.0 kg/m²
For application as decorative coating, total from 1.0 kg/m²

GJØCOPOXY UNIVERSAL

Consumption depends on temperature, roughness, and absorption of the substrate.

APPLICATION PROCEDURE

Preparation of the substrate

The substrate must be firm, clean, dry, and free of grease. Max residual moisture in the substrate 5% (95 RH). Concrete quality min C 25. Concrete is pre-treated by grinding, milling, blast cleaning or sandblasting. Finally, the surface is thoroughly vacuumed. Minimum application temperature is +12°C; this applies to both the substrate and the air temperature.

Preparation

Part A and Part B must have a temperature of at least +15 °C when mixed. Part B is poured into part A, and mixed with a slow-moving drill for at least 3 minutes until homogeneous mixture is achieved. The mixture must be used immediately. The product must not be diluted.

Use as dust binder

Gjøcopoxy Universal is applied with a roller or swab in one or two coats depending on the substrate.

Primer

Gjøcopoxy Universal is applied with a roller or swab in one or two coats depending on the substrate. After application, the primer must form a continuous layer without dry areas. If the time interval is greater than 24 hours between primer and coating the primer must be lightly sprinkled with dry sand to ensure adhesion for subsequent coatings.

Compact coating system

Gjøcopoxy Universal is mixed with compact filler or Gjøco Fyllstoff part C and applied to the lightly sand sprinkled primer with a smooth or toothed trowel in an even thickness. Immediately after, sprinkle the surface to saturation with colored quartz. The surface is leveled mechanically with a suitable helicopter. Within 24 hours, a thin layer of Gjøcopoxy Universal is applied as a seal. Apply with a smooth trowel to ensure that the structure of the subfloor is highlighted after application.

Antislip decorative coating

Gjøcopoxy Universal is mixed with compact filler or Gjøco Fyllstoff part C and applied to the lightly sand sprinkled primer with a smooth or toothed trowel in an even thickness. Immediately after, sprinkle the surface to saturation with colored quartz. The following day, loose sand is removed, and Gjøcopoxy Universal is applied with a roller and/or swabs in one or two coats.

Stone carpet coating/ other decorative coatings

Gjøcopoxy Universal is first added approx. 0.5% by weight Sylothix 53 (depends on temperature) and mixed well. Then add the desired filler (Stone carpet sand or Quartz filler) in the correct quantity described in the system guide. The mixture is applied with a trowel and steel trowel onto the sand sprinkled primer. After application, the surface is mechanically smoothed with a helicopter.

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N.B.

Always apply Gjøcopoxy Universal in an even thickness. Different layer thicknesses can lead to visible color differences - especially in connection with "compact coating". If the product is applied to areas with a high concentration of CO₂, high humidity and/or a temperature less than 3 degrees above the dew point, this can lead to a sticky and discolored surface. Before further treatment, this must be removed, and a new layer applied to the surface.

Curing

The epoxy coating is fully cured after 7 days, and must not be exposed to water spills, chemicals and mechanical wear before full curing has been achieved.

Storage

The product must be stored in accordance with national regulations. The packaging must be kept tightly closed and stored dry at an even temperature. The product must be transported and stored upright, dry and frost-free.

Waste disposal

The product must not be emptied into sewers or into nature but must be delivered to an approved hazardous waste collection point.



SAFETY

The product can cause contact allergies, as such suitable gloves, work clothes and glasses must be used. See separate safety data sheet. Read the information on the packaging.

The technical recommendations and details that appear in this product description represent our current knowledge and experience of the products. All the above information must nevertheless be regarded as indicative and subject to assessment. Anyone who uses the product must make sure in advance that the product is suitable for the intended use. The user is personally responsible if the product is used for purposes other than those recommended or if it is carried out incorrectly. As the conditions under which the products are used are often beyond our control, we cannot guarantee anything other than the product's quality. The products are delivered in accordance with our general terms and conditions for sales, delivery and service, unless otherwise agreed in writing. We reserve the right to change the specified data without prior notice.

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