Sopro GH 564

Casting resin

High-fluidity, two-component acrylic resin system for structural bonding of cracks in screeds.

- **Water-, weather- and chemical-resistant**
- **Rapid-setting**
- **Suitable for floor heating systems**
- **With 10 corrugated-metal cross-dowels**
- **For floors**
- **For indoor and outdoor use**

Use	Two-component acrylic resin for structural bonding of joints and cracks in mineral screeds and concrete. For filling pores and blowholes. For bedding and fixing wall guards, angle sections, trim, nailing strips etc. Also for bonding and patching tiles, stone, concrete etc.
Application temperature	From +5 °C (substrate, air, material)
Working life/pot life	10–20 minutes depending on quantity of curing agent added Immediate pouring of prepared material into cracks is generally recommended as material cures more quickly in container.
Walkable	After approx. 1 hour
Loadable	Full mechanical strength after approx. 12 hours
Consumption rate	Approx. 1.0 kg/ltr – depending on volume of crack to be filled
Shelf life	Approx. 12 months, subject to storage in cool, dry, frost-free conditions; tightly seal opened containers.
Packaging	0.75 kg pot (708 g resin, 42 g curing agent), including 10 corrugated-metal cross-dowels

EN 15.05.17 · DE 21.03.17 · Subject to change without notice

Properties

Sopro GH 564 is a two-component acrylic resin system for crack grouting, filling and bonding. Extremely versatile with very high strength. Particularly suitable for filling cracks and joints, both indoors and outdoors.

Substrate preparation

Substrate should be dry, strong, dimensionally stable and free from adhesion-impairing substances (e.g. dust, oil, wax, release agent, efflorescence, laitance, paint, lacquer and varnish residue). Trial application is recommended prior to bonding metals and plastics.

Application

Crack grouting:
Sprinkle curing agent in resin and thoroughly mix two components until powder is homogeneously distributed throughout compound. Pot life may be controlled by reducing quantity of curing agent added:
– pot life is approx. 10 minutes where all curing agent added
– pot life is approx. 20 minutes where 1/3 of curing agent added
Immediate pouring of prepared material into cracks is generally recommended as material cures more quickly in container. Ensure adequate ventilation at work location.
Clean floor crack to remove all loose particles/matter and, where necessary, widen crack at surface to between 1/2 and approx. 2/3 of screed thickness using angle grinder. Pour homogeneously mixed casting resin into open crack, filling up to top edge and, where necessary, pouring in several stages until completely full. Take measures to prevent escape of resin into insulation.
Larger cracks require incorporation of transverse reinforcement. For this purpose, prior to grouting, use angle grinder to cut transverse slits to between 1/2 and approx. 2/3 of screed thickness at crack ends and perpendicular to crack direction at 15–30 cm centres and insert wall ties or corrugated-metal cross-dowels. These are cast in during pouring operation. Take measures to prevent escape of resin into insulation.
Blind freshly applied casting resin to excess with fine, dry silica sand to provide good bonding surface for following materials. Sweep away excess silica sand when casting resin has set.

Surface filler:
To prepare surface filler, Sopro GH 564 may be extended using fine, dry, clean silica sand. Mixing ratio is 1 part by weight Sopro GH 564 : 4 parts by weight silica sand. Fully mix together resin and curing agent before adding and mixing in silica sand. This serves to lengthen pot life. Mix only as much material as can be applied during pot life.

Specified times

Apply for normal temperature range of +23 °C and 50 % relative humidity; higher temperatures shorten and lower temperatures lengthen these times.

Tools/tool cleaning

Clean tools and soiling with universal thinner while material is still fresh; mechanical cleaning required when set.

Safety precautions

As considerable heat may be generated by mixing, use only metal containers for preparation and do not leave material unattended after mixing.
Labelling in accordance with Regulation (EC) No 1272/2008 (CLP):
Component A (GHS02, GHS07):
Signal word: Danger
Hazard-determining component(s): Methyl methacrylate.
Hazard statements: H225 Highly flammable liquid and vapour. **H315** Causes skin irritation. **H317** May cause an allergic skin reaction. **H335** May cause respiratory irritation.
Precautionary statements: P102 Keep out of reach of children. **P210** Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. **P261** Avoid breathing vapour. **P280** Wear protective gloves/eye protection. **P302+P352** IF ON SKIN: Wash with plenty of water and soap. **P333+P313** If skin irritation or rash occurs: Get medical advice/attention. **P403+P233** Store in a well-ventilated place. Keep container tightly closed.
German Water Hazard Class (WGK): 2: hazardous to water (self-assessment in accordance with VwVwS – German Administrative Regulations on the Classification of Substances Hazardous to Waters into Water Hazard Classes – of 17.05.1999)
Transport regulations: ADR/RID/GGVSEB (German Dangerous Goods Ordinance for Road, Rail and Inland Navigation Transport): Class: 3; UN no. 1133; Kemler code: 33; Packing group: III; Danger label: 3; Proper shipping name: Adhesives, Transport category: 3; Tunnel restriction code: D/E

Component B (GHS07, GHS09):
Signal word: Warning
Hazard-determining component(s): Dibenzoyl peroxide.
Hazard statements: H317 May cause an allergic skin reaction. **H319** Causes serious eye irritation. **H400** Very toxic to aquatic life.
Precautionary statements: P102 Keep out of reach of children. **P261** Avoid breathing dust. **P280** Wear protective gloves/eye protection.. **P302+P352** IF ON SKIN: Wash with plenty of water and soap. **P305+P351+P338** IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. **P333+P313** If skin irritation or rash occurs: Get medical advice/attention. **P337+P313** If eye irritation persists: Get medical advice/attention.
German Water Hazard Class (WGK): 1: slightly hazardous to water (self-assessment in accordance with VwVwS – German Administrative Regulations on the Classification of Substances Hazardous to Waters into Water Hazard Classes – of 17.05.1999)

For trade applicators only! See safety data sheet for further details.

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