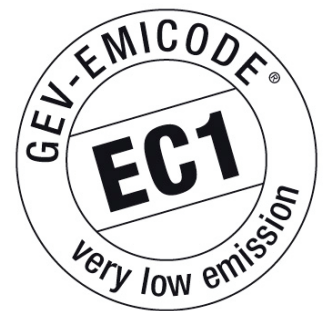


Non Sag Levelling Compound

STS 35

Technical Data Sheet 24



FIELDS OF APPLICATION

- For indoor use.
- Levelling of hollows, holes, irregularities in the substrate and for angled smoothing work on
 - cementitious substrates
 - anhydrite screeds
 - mastic asphalt screeds
 - chipboards
 - timber floors.
- For the repair of treads and risers.
- For layer thicknesses from 0.5 to 50 mm.

FEATURES AND BENEFITS

- Very low emission, GEV-EMICODE EC 1.
- Low in chromates according to German standard TRGS 613; Giscode ZP 1.
- Stiff plastic consistency, non sag.
- Rapid curing, walkable after approx. 45 minutes.
- Suitable for underfloor heating.
- Suitable for exposure to chair castors at a layer thickness of min. 1 mm.

PACKAGING

- 25 kg PE lined heavy duty paper bag



TECHNICAL DATA

MATERIAL

| | |
|--|--|
| Material base | special cement with additives |
| Components | 1 part |
| Consistency | powdery |
| Colour | dark grey |
| Labelling for | |
| - Regulation for hazardous goods on roads | non hazardous |
| - Regulation for hazardous substances | no labelling requirement for this product |
| <i>For further information refer to Health and Safety.</i> | |
| Shelf life | min. 6 months when stored in dry conditions, no permanent storage over +30°C |

APPLICATION

| | |
|--|---|
| Consumption | approx. 1.6 kg powder per m ² and mm layer thickness |
| Layer thickness | 0.5 to 50 mm |
| Ambient and substrate temperature | +10°C to +25°C |
| Mixing ratio | 25 kg of STS 35 + approx. 5.5 ltr of water For partial quantities: 1 kg of STS 35 + approx. 220 ml of water for mechanical mixing and/or 260 ml for manual mixing |
| Consistency | stiff-plastic |
| Working time* | approx. 15 minutes |
| Curing time* | |
| - walkable after | approx. 45 minutes |
| - grindable after | approx. 3 hours |
| - ready for installation with vapour-permeable coverings after | approx. 3 hours |
| - ready for installation with vapour-tight coverings after | approx. 1 day |
| Suitable for exposure to chair castors | from 1 mm minimum layer thickness |

* At +23°C and 50% relative humidity. Higher temperatures reduce, lower temperatures increase the times given. Higher humidity increases the times given.

PREPARATION OF SUBSTRATE

- The requirements in accordance with the German standards DIN 18365 and/or DIN 18 356 apply.
- The substrate must be clean, dry, sound, able to bear weight and free from oil and fat. It must be free from paint and other bond-inhibiting residues.
- Heavy contamination and bond-inhibiting residues and/or surfaces should be removed mechanically (shot-blasting, grinding).
- Existing cracks can be closed with the methyl-methacrylate resin of the crack repair set RRS 47.

PRIMING

1 Absorbent substrates

Prime with the multi-use primer VG 1. Shake material well before use. Apply VG 1 onto the substrate e.g. with a foam roller. Allow the primer to dry until tack-free.

STS 35 can be applied to cementitious substrates without primer.

2 Non absorbent substrates

Prime with the special primer VG 2. Shake material well before use. Apply VG 2 onto the substrate e.g. with a foam roller. Allow the primer to dry until tack-free.

3 Fast priming on concrete floors, cement and anhydrite screeds

Shake the fast track primer VG 3 well before use. Put required quantity in an appropriate container and apply generous amount of undiluted VG 3 to the substrate e.g. with a fine-pored foam roller. Avoid puddles forming! After a film has formed (approx. 15 minutes, colour becomes translucent) STS 35 can be immediately applied also to anhydrite screeds.

APPLICATION

1 Place cold gauging water in a clean mixing vessel, add STS 35 and mix with a suitable paddle (e.g. from Collomix or PCI) until lump-free. Small quantities can also be mixed by hand, e.g. with a trowel.

2 Apply STS 35 to the dry primer and spread to the required layer thickness.

PLEASE NOTE

- In case of increased residual moisture of cementitious substrates use the epoxy primer VG 7 and contact the PCI technical help-line.
- Only mix as much material as can be applied within the indicated working time.
- Never add water or wet STS 35 to reconstitute a mortar mix which has already begun to set.
- When mixing STS 35 it is important to adhere to the indicated amount of gauging water. **Additives are not allowed.**
- The amount of water required is higher when mixing by hand than by machine.
- **The thicker the layers the longer the waiting time until the substrate can be covered.**
- If STS 35 should be covered with a floor leveller it has to be applied while still moist. If the levelling compound is already dry prime with multi-use primer VG 1, special primer VG 2 or fast track primer VG 3.

PLEASE NOTE

- Suitable tools are available from Collomix GmbH, Horchstraße 2, 85080 Gaimersheim/Germany, www.collomix.de, or PCI Augsburg GmbH, Marketing Department, Piccardstraße 11, 86159 Augsburg/Germany.
- Clean tools, machinery and mixing equipment with water immediately after use; once the product has cured it can no longer be removed with water.

HEALTH AND SAFETY

General information on cementitious products

STS 35 contains cement. Contact with moisture or gauging water sets off an alkaline reaction which may cause skin irritation and/or caustic burns to mucous membranes (e.g. eyes). Avoid contact with eyes and prolonged contact with skin. In case of contact with eyes and skin thoroughly rinse with plenty of water. In case of contact with eyes seek prompt medical attention. Keep out of reach of children. Low in chromates according to TRGS 613.

For further information refer to the PCI Material Safety Data Sheet.

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