Strasser'plan DBS 40

Cement composite level screed with flowable properties for layers from 20 to 40 mm thick

Field of Application

Suitable for a layer thickness of 20-40 mm. Strasser'plan DBS 40 can be used as a composite screed, floor levelling compound and heating screed, especially in redevelopment and renovation areas. Can also be used for quick-drying and instantly workable cement screeds and is suitable for use with office chairs.

Characteristic

Strasser'plan DBS 40 is a synthetically enhanced, self-flowing, self-levelling, pumpable, quickly hardening, shrink-resistant, waterproof and very pressure-resistant composite levelling screed with flowable properties on a cement base.

Composition

Strasser'plan DBS 40 is a factory-made dry mortar on a mineral base.

Preparation underground

Suitable substrates are concrete areas, cement and poured asphalt screeds. The substrate should be clean, firm, dust-free, stable and free of oils, grease or other residues. Absorbing substrates such as concrete and cement screeds should be primed with Strasser`plus TG C. Roughen substrates mechanically if necessary, e.g. by brushing, milling or shot-peening.
The relevant norms and regulations must be observed for the assessment of the substrate. The following norms and instruction sheets must be taken into account for the execution of the screeds: DIN 18560 "Part 3 Screeds in building", DIN 18353 "Screed works" and DIN 4725 part 4 "Hot-water underfloor heating".
Avoid surfaces larger than 4x5m.

Application

Pour tap water into a suitable container, mixer or conveyor. Mixing proportions: 5-6 litres of water and add a sack of Strasser'plan DBS 40 (25 kg) and mix lump-free into a flowable consistency with the corresponding mixer at low revolutions. Apply a 10mm wide border strip on rising walls or pillars. Spread the mixed flowing mortar fast and evenly on the prepared substrate with a wide squeegee until the required layer thickness has been achieved. Bleed with a toothed roller or a polishing bar. Processing time approx. 1 hour.
Clean mixers, pumps, hoses and other tools thoroughly during breaks and upon completion of the activities to keep material sticking to the tools from hardening.

Important remark:
Process only at temperatures (substrate temperatures) between +5°C and + 25°C. Hardening time approx. 5 hours, a period that lengthens at low temperatures and shortens proportionately at high temperatures. Protect the freshly added screed or plasterwork against overly fast drying (heat and draught). Cover it with foil immediately. Repeated moistening may be required in some cases. Cover the surface with PE-foil when the screed has hardened (approx. 5 hours).

Consumption

1.7 kg of dry mortar per mm/m²

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Technical data

Colour:	cement grey
Processing temperature:	+5°C to +25°C
Layer thickness:	2 to 40 mm
Processing time:	approx. 60 minutes
Walkover time:	approx. after 3 hours, depending on the temperature
Ready to be covered:	after approx. 3 days, depending on the temperature
Ready to be covered:	check remaining moist content with CM-equipment
Compressive strength:	after 1 day approx. 12 N/mm²
Compressive strength:	after 28 days approx. 35 N/mm²
Flexural tensile strength:	after 1 day approx. 4 N/mm²
Flexural tensile strength:	after 28 days approx. 9 N/mm²

Packaging

12 months. The material must be stored in a completely dry environment.
In paper sacks of 25 kg loaded onto Euro loan pallets.

Special references

Strasser'plan DBS 40 contains cement. This cement produces alkaline reactions in moist surroundings, which can cause skin irritation. Protect both skin and eyes. Wash the skin immediately and thoroughly with water and soap in the event of skin irritation. Consult a physician and rinse immediately and thoroughly in the event of contact with the eyes. Consult our safety data sheets for further information.

Low chromate content according to TRGS 613