

2020-07-16

Stilleryd Golvspackel 230 SF[®] is a fibre reinforced, quick setting, pumpable self-levelling underlayment.



Area of use

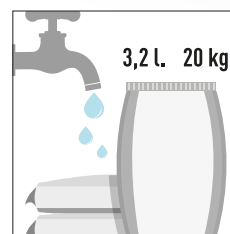
Golvspackel 230 SF[®] is suitable for new construction, renovation and heated floor systems. The product acts as a parquet carrier for liquid parquet, substrates for ceramic tiles and substrate for waterproofing. We recommend always using reinforcement nets, eg **Stilleryd 911[®]** (steel) or **Stilleryd 922[®]** (fiberglass). The product is intended to be covered with a top layer, e.g. tiles, carpets or similar.

Pre-treatment

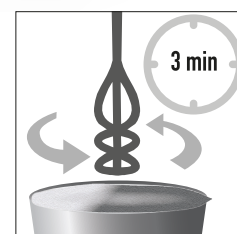
The substrate should be clean and free of dust, cement skin, grease and other impurities that can prevent adhesion. Adhesion and surface strength of the substrate should be no less than 0.5 MPa. Always prime the underlying substrate with **Stilleryd Primer[®]** and allow to dry before pouring. In terms of the primer forming a film and the curing of the selfleveling, the temperature of the substrate must not fall below 10 °C. For best results, the ambient temperature in the work area should be between 10 and 25 °C. At higher or lower temperatures, the time for curing will shorten or extend. With the risk for cracks due to shrinkage or settings in the subfloor, a concrete surface should not be leveled within the first 28 days after casting. As a recommendation the RH in the concrete should have reached RH 90 % as the upper limit for pouring the **Golvspackel 230 SF[®]**. Use the **Stilleryd Form Foam 015/030/050[®]** for edging. In order to avoid drainage pipes from getting clogged, always make sure the drains are properly sealed before pouring.

Mixing

Mix the dry powder with max 3.2 liters of water (max 18 %) per 20 kg bag. Mix with a drilling machine and a whisk, or



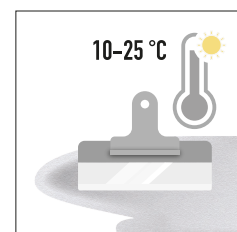
Water requirements
3,2 l/20 kg



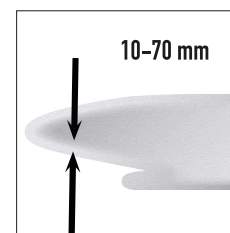
Mixing time 3 min



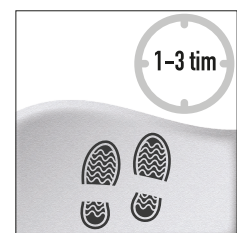
Working time
10-25 min



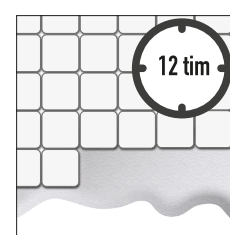
Workplace temperature
10-25 °C



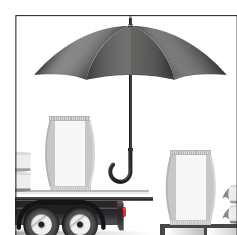
Thickness
10-70 mm



Final set 1-3 hrs



Coverable (tiles) 12 hrs



a mixing pump intended for this purpose. The correct water mixture can be tested using a slump test with a cylinder with Ø 30 mm and a height of 50 mm on 300 x 300 mm plexiglas plate. With the correct water mixture, the spread should be max 125 mm. The slump test also checks that the material is well blended and that there is no separation.

Application

Mix the dry powder with max 3.6 liters of water (max 18 %) per 20 kg bag. Mix with a drilling machine and a whisk, or a mixing pump intended for this purpose. The correct water mixture can be tested using a slump test with a cylinder with Ø 30 mm and a height of 50 mm on 300 x 300 mm plexiglas plate. With the correct water mixture, the spread should be max 135 mm. The slump test also checks that the material is well blended and that there is no separation. On lightweight concrete, the coating should be 6–20 mm, can be poured up to 100 mm if reinforcing net is used.

Post-treatment and curing

You can easily shape or cut the semi-hardened self-leveling underlayment material before it fully dries. Always make sure that the material is sufficiently dry before it will be covered by a carpet or a foilsystem. **Golvspackel 230 SF[®]** may be covered by a carpet or a foilsystem after 1–3 days depending on the thickness. The guiding value assumes a curing temperature of approximately 20 °C, 40 % RH and proper air flow. Newly produced surfaces must be protected against wind, sun and rain. When carpeting, the product must be coated with a suitable fine putty, for example **Stilleryd Finspackel 535H[®]**. **Golvspackel 230 SF[®]** is self-drying, which means that an early strength is obtained and that the excess water is chemically bound in the long run. This allows an early surface coating provided that the RF in the underlying structure does not exceed the recommended value according to AMA Hus. If there are specific requirements for RF in the leveling compound before flooring takes place, the product can also be used according to the principle for normally drying floor leveling.

Storage time and packaging

Store in a dry environment, on an unopened plastic-coated pallet, six months from the date of production. The date of production is printed on the packaging. May be used after 6 months but properties such as flow rate, hardening and drying times will be extended. **Golvspackel 230 SF[®]** is delivered in 20 kg bags, in big bags and bulk.

Residual products and safety information

Empty bags can be burned. Any remaining, dry powder that has been stored properly can be used again. Hardened material should be disposed of as construction waste. Do not wash the product into the sewage system. The cement in the product has a reduced level of chromate. Follow regulations in each respective country.

Health, environment, safety and technical service documents

Current documents for the product are available at www.stilleryd.se. Previously undated and dated editions are not valid. Contact our sales organization for further information.

Product specification

Release of corrosive substances	CT (as per EN 13813)
Compressive strength class	C20 (as per EN 13813)
Compressive strength average	C25 (as per EN 13813)
Flexural strength class	F5 (as per EN 13813)
Flexural strength average	7 MPa (as per EN 13813)
Fire resistance class	A1fl (as per EN 13813)
RWFC	550 (as per EN 13813)
Adhesion to surface	B1.0 (as per EN 13813)
Thickness	10-70 mm / 10-20 mm on aerated concrete
Grain size	< 2 mm
Material consumption	1,9 kg/m ² /mm
Weight (dry state)	1900 kg/m ³
Flow rate	max 125 mm
Water requirements	3,2 l/20 kg
Workplace temperature	10-25° C
Mixing time	3 min
Working time	10-25 min
Final set	1-3 hrs
Coverable (tiles)	12 hrs
Carpetable	10-30 mm 3 days 30-50 mm 5 days 50-70 mm 7 days
pH	approx. 11
Water damage resistant	Yes
Surface Tensile Bond Strength, 28 days (sanded, loaded surface)	> 1,5 MPa
Shrinkage	0,03-0,05 %
TVOC 28 days	10 µg/(m ² h)

This product sheet contains general information. Products can be used in a number of changing conditions and situations. Stilleryd AB is not responsible for the storage, use in construction, processing or design, interactions with other products, required use due to local conditions or other external factors. Stilleryd AB is also not responsible for cases where the above information has been misinterpreted or neglected by the user.

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