

Stilleryd | HANDSPACKEL 545 H[®]

PATCHING COMPOUND | 0-50 MM

2020-05-07

Stilleryd Tunnflyt 545 H[®] is a fine, fast-drying, multipurpose trowelable patching compound for underlayments.

Area of use

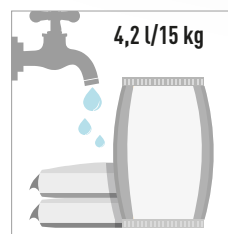
Stilleryd Handspackel 545 H[®] is suited for new construction and renovations. The product is intended for indoor use on substrates of concrete, lightweight concrete, ceramic tiles, gypsum boards, wood and homogenous PVC. Handspackel 545 H[®] is easy to use and yields a very smooth surface finish.

Pre-treatment

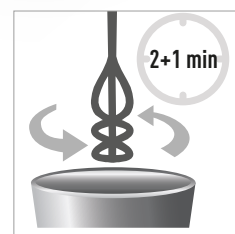
The substrate must be clean and free of dust, cement skin, grease and other contaminants that can prevent adhesion. The adhesion and surface strength of the substrate must not be less than 0.5 MPa. The substrate is always primed with **Stilleryd Primer[®]**, which must dry before filling. With regard to the film formation of the primer, the temperature of the substrate should not fall below 10 ° C. For best working results, the temperature in the workroom should be between 10–25 ° C. At higher or lower temperatures, the time for curing is shortened and lengthened, respectively. With regard to cracks due to shrinkage and possible settlements, a concrete structure should not be leveled earlier than one month after casting. Guide value 90% RF in the design should be set as the upper limit for leveling work. Use **Stilleryd Foam Form 015/030/050[®]** for edging. Always provide wells with sufficient sealing before starting to fill, to avoid clogging of sewer lines.

Mixing

Mix the dry powder with max 1,8 liter water (max 40 %) per 4,5 kg bag or max 6 liter water (max 40 %) per 15 kg bag. Mix for 3 minutes with a drilling machine and a whisk to obtain a lump free mix. Product may be refreshed by re-mixing but do not add more water.



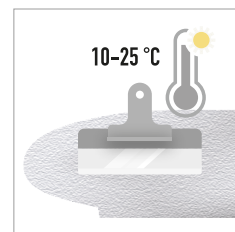
Water requirements
4,2 l/15 kg



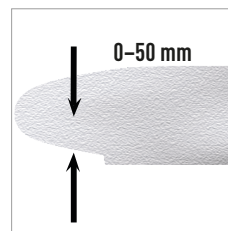
Mixing time 2+1 min



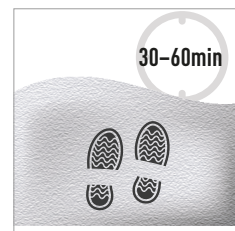
Working time
20-30 min



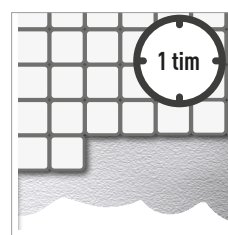
Workplace temperature
10-25 °C



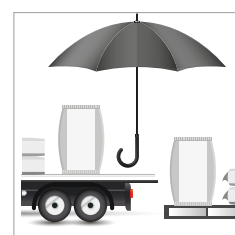
Thickness 0-50 mm



Final set 30-60 min



Coverable (tiles)
1 hrs



Application

Apply the **Handspackel 545 H[®]** to substrate with a steel trowel. After initial set, apx 10–15 min., remove any overlap marks, seams and inconsistencies by scraping with the steel trowel.

Post-treatment and curing

Protect **Handspackel 545 H[®]** from excessive heat or draft conditions during the curing process. Protect for up to 24 hours after completed installation. **Handspackel 545 H[®]** can be walked on after 30 minutes. Always make sure that the material is sufficiently dry before it will be covered by a carpet. The **Handspackel 545 H[®]** may be covered by a carpet after 1–3 hours. 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.

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. **Handspackel 545 H[®]** is delivered in 15 kg bags.

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	C25 (as per EN 13813)
Compressive strength average	32 MPa (as per EN 13813)
Flexural strength class	F6 (as per EN 13813)
Flexural strength average	7 MPa (as per EN 13813)
Fire resistance class	A1fl (as per EN 13813)
Adhesion to surface	> 1 MPa (as per EN 13813)
Thickness	0-50 mm / 6-20 mm on aerated concrete
Grain size	< 0,5 mm
Material consumption	1,7 kg/m ² /mm
Weight (dry state)	1700 kg/m ³
Water requirements	4.2 l/15 kg
Flow rate	max 150 mm
Workplace temperature	10-25° C
Mixing time	2+1 min
Working time	10-30 min
Final set	30-60 min
Coverable (tiles)	1 hour
Carpetable	1-3 hrs
pH	ca 11
Water damage resistant	Yes
Surface Tensile Bond Strength, 28 days (sanded, loaded surface)	> 1,0 MPa
Shrinkage	0,03-0,05 %

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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