Builden S10

GENERAL SMOOTHING AND FLOOR LEVELLING COMPOUND

- Fast drying
- Early utilisation
- Readily receives adhesives
- Can be pump or trowel applied
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FEATURES:

Builden S10 is designed to produce a smooth, flat surface when apply to hard, rigid sub-floors such as sand/cement screed, concrete, etc.

The mixed mortar can be applied up to a maximum thickness of 10mm in one application but will be normally applied at 2.5 – 5mm.

For smoothing application, Builden S10 can be applied at 2.5mm.

SURFACE PREPARATION:

Ensure that the surface must be hard sound and free of dust, dirt and other barrier materials such as grease, paint water-soluble adhesive residues or loosely adhered materials, etc.

Use commercial degreaser to remove polish, wax, grease, oil and similar contaminating substances.

Where hard, firmly adhered adhesive residues are present they should be of sufficient cohesive strength to support the applied smoothing compound, a trial application is recommended to assess suitability. Do not apply Builden S10 over old residues that were softened by water.

If Builden S10 is applied to highly porous sub floor, two priming coats of Builden P03 (Dilution rate with water for 1ST Coat 1:3, 2ND Coat 1:1) are recommended to prevent absorption from the base to prolong the flow life; priming the floor will also seal the pores and prevent air bubbles from rising through the mortar.

On very smooth, dense and non-absorbent sub-floor, the use of Builden DP 06 primer is recommended to ensure adequate adhesion.
Caution: Not recommended for Asphalt floors.

For damp subfloor use Builden BWP 100 as underlay of vapour or damp control membrane prior Builden levelling compound.

MIXING

The use of a Builden mixing paddle with a 10mm chuck variable speed drill ensures thorough mixing with maximum shear yet minimum air entrapment and heat build up.

The use of Builden mixing buckets is recommended to reduce the incidence of unmixed powder around the bottom of the bucket.

Always add correctly measured water to a clean mixing bucket first, Builden S10 powder should then be added whilst stirring slowly. Mix steadily and thoroughly until a lump-free fluid mortar is produced. After approximately two minutes mixing scrape down the sides and around the bottom of the bucket to ensure no deposits of dry powder.

Continue mixing for another minute until an even consistency is achieved.

It is not recommended to split bags of S-10; a 25kgs bag should be mixed with a maximum of 6 litres of cool, clean water.

APPLICATION

Pour Builden S10 mortar onto the primed sub-floor and use a steel finishing trowel or float to spread the mortar and finish off. The mixed mortar will flow out and self-smooth within the first 10 minutes of its 30 minutes working time. A 3mm layer of Builden S10 will be walkable after approximately 3 hours at 30°C; this time is extended at lower and reduces at higher temperatures.

This time is also reduced where thinner applications are applied to absorbent sub-floors. Apply at temperatures above 5°C.
DRYING AND HARDENING
A 3mm layer of **Builden S10** is walkable after 3 hours and ready to receive floor coverings after 24 hours at 30°C, only in case of air humidity that is permanently higher than 90%, it can take longer time. If the thickness is between 5-10mm, the drying time is $>$ 72 hours before the floor covering can be done.

STORAGE
**Builden S10** should be stored under the same conditions as cement; store S-10 in cool, dry shaded warehouses. **Builden S10** should not be stored direct in contact with the floor. When stored under the correct conditions **Builden S10** will have a shelf life of 6 months.

COVERAGE
Approximately 1.65kgs **S-10** powder/m²/mm, e.g. one 25kgs bag will cover approximately 5m² at 3mm thickness.

HEALTH & SAFETY WARNING
IRRITANT CONTAINS PORTLAND CEMENT
R36/38 irritating to eyes and skin
S2 keep out of reach of children
S24/25 avoid contact with skin and eyes
S26 in case of contact with eyes, rinse immediately with plenty of water and seek medical advice
S37 wear suitable gloves
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