Builden S20

COMMERCIAL SMOOTHING AND LEVELLING COMPOUND

- Fast drying
- Early utilisation
- Excellent surface hardness
- Readily receives adhesives
- Ready to receive floor covering in one operation
- Can be pump or trowel applied
- Higher compressive strength formulation
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Features:

Builden S20 has been especially designed to produce a smooth, flat surface when applied to hard, rigid sub-floors such as sand/cement screeds, concrete, etc.

The mixed mortar can be applied up to a maximum thickness of 10mm in one application or 20mm in two application but will normally for smoothing at 1.5 – 10mm

For smoothing application, Builden S20 can be applied at 1.5mm.

SUB FLOOR SURFACE PREPARATION:

Ensure that the sub floor is dry, sound and free of dust, dirt and other contaminations. If Builden S20 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 S20**.

**MIXING**

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

Avoid the incidence of unmixed powder around the bottom of the bucket. Always add correctly measured water to a clean mixing bucket first,

**Builden S20** powder should then be added while 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 short time until an even consistency is achieved. It is not recommended to split bags of **Builden S20**;

a 25kgs bag should be mixed with a maximum of 6.25 litres of cool, clean water.

**APPLICATION**

Pour **Builden S20** 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 15 minutes of its 20 minutes working time. A 3mm layer of **Builden S20** 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 S20 is walkable after 3 hours and ready to receive floor coverings overnight (12-16hrs) 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 less than 48 hours before the floor covering can be done.

If the thickness is >10mm, the drying time is >48 hours before the floor covering can be done.

STORAGE

Builden S20 should be stored under the same conditions as cement; store Builden S-20 in cool, dry shaded warehouses. Storage of Builden S20 should avoid direct in contact with the floor. When stored under the correct conditions Builden S20 will have a shelf life of 6 months.

COVERAGE

Approximately 1.65kgs S-20 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