

Product data sheet

Product**Robust™ Støpemørtel B25**

Description

Robust™ Støpemørtel B25 is a dry mortar composed of Portland cement, well-graded dried special sand and additives. Good moldability and easy to use. Robust™ Støpe- mørtel B25 is a universal product for mortaring projects for both indoor and outdoor use. Suitable for rehabilitation and construction of foundations, pillar foundations, floors, filling of U-blocks and as groundwork for natural stones. Frost proof. For larger casting/ moulding jobs, up to 30% aggregates (gravel) can be added. If intended for use on floors indoors, that will be covered with tiles or membrane, we recommend Robust™ Hurtigstøp.

Preparation

The substrate must be free from loose particles, residual cement, grease, oil, dust, mud, snow, frost and ice. Absorbent substrates must be pre-watered. Free water should not be on the surface of the substrate when the application starts. If necessary, the substrate can be cleaned mechanically or sandblasted before application of Robust™ Støpemørtel B25. Robust™ Støpe- mørtel B25 applied in a layer with thickness below 4 cm should always be bonded to the substrate. This can be achieved by making a bonding slurry with mixing a small amount of mortar powder with 1 part water with 1 part Robust™ Primer& Tilsetning to a thin slurry. The bonding slurry is then brushed onto the substrate. The mortar can be applied when the treated substrate is dry and can be walked on.

Mixing

Smaller amounts can be mixed by hand, or with a powerful drill. For larger amounts, use an agitator mixer or compulsory mixer. Use clean water. Pour 80% of the water into the mixer and blend for 3-5 minutes until the mixture is lump- free and homogenous. Adjust with more water during continuous mixing. Let the mixture rest for 3 minutes and then stir again. The consistency should be adjusted to suit the casting/moulding purpose. Water usage is 3.25 litres per 25 kg dry powder. Note that too much water weakens the mortar. Robust™ Primer&Tilsetning can be added to increase the plasticity and adhesion ability of the mortar.

Application

Apply the mortar with suitable masonry tool. It is important that the mortar is sufficiently compressed towards the substrate, with no air pockets. Immediately after application the surface should be protected from drying out too quickly with a curing membrane, covering with plastic film or by watering when the mortar has set. The mixture must be used within 2 hours. Do not use, or add water to, mortar that has begun to harden. Clean equipment and tools with water.

Consumption

One 25 kg bag will provide approximately 12.5 litres of mixture. 2 kg powder per m² per mm layer.

Drying time

+20°C and 50% RH

After 24 hours the mortar reaches a compressive strength of approx. 10 MPa. Newly applied mortar should not be exposed to temperatures below +5 °C, and not below +2 °C before it has reached a compressive strength of minimum 5 MPa. Avoid applying plaster on a hot substrate or in direct sunlight. The weather should be dry. It is recommended to water the plaster after 24 to 48 hours. Give the mortar a light shower with water to keep the mortar moist the first few days to avoid cracks and shrinkage.

Storage

To be stored dry, in unopened original packaging. Best result is achieved when used within 12 months after manufacturing date.

Technical data

Water required: approx. 2.75-3.0 litres per 25 kg bag

Consumption: 2 kg/m²/mm

Largest grain size: 3 mm

Pot life of mixture: ca. 2 hours.

Compressive strength:

- After 24 hours: 10 MPa.
- After 7 days: 22 MPa.
- After 28 days: 30 MPa.

Safety

The product contains cement, which is classified as irritating due to content of calcium oxide. Avoid contact with skin and eyes. Use appropriate protective clothing, gloves and safety goggles. For health, safety and environment information please read the safety data sheet at www.robustnorge.no.

Packaging

Available in 25 kg bags.

GTIN

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Item no

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Nobb**Warning**

All details in this technical information are based on our current knowledge and experience. They are non-binding and do not release the buyer from the duty to undertake their own tests for suitability for the intended application and purpose. A guarantee for the general validity of all details is ruled out with regard to the different processing and construction site conditions. The general rules for construction engineering as well as the valid standards and guidelines must be observed. The publication of this technical information replaces all previous editions. Changes in the scope of product and application engineering further development are reserved. Please obtain the latest information from our internet sites, www.robustnorge.no.

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