

Product data sheet

Product	Robust™ Murmørtel M5
Description	Robust™ Murmørtel M5 is a dry mortar composed of Portland cement, well-graded dried special sand and additives. The product is suitable for bricklaying and plastering of masonry made of bricks, light blocks and concrete blocks. For indoor and outdoor use. Also suitable for minor rehabilitation work on walls. Good moldability and easy to use.
Preparation	The substrate must be free from loose particles, grease, oil, dust, mud, snow, frost and ice. Absorbent substrates must be pre-watered or primed with Robust™ Primer&Tilsetning when the mortar is used as plaster.
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 purpose, e.g. bricklaying or plastering. Water usage is approximately 3-3.25 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 in a thickness of maximum 15 mm. If a thicker layer is desired, the application must be performed in several steps and the mortar must set and be pre-watered between each application. Finishing treatment is performed with a cement float or brush when the plaster 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 13 litres of mixture. Plaster: ca. 1.8 kg powder per m ² per mm layer. Masonry of bricks (NF): ca. 70 kg powder per m ² . Masonry of light blocks (25 cm): ca. 18 kg powder per m ² .
Drying time +20°C and 50% RH	Approximately 24 hours. Newly applied mortar should not be exposed to temperatures below +5 °C, and not below +2 °C before it has reached a certain compressive strength. 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. If the temperature is high, the plaster should

be kept moist the first few days.

Storage	To be stored dry, in unopened original packaging. Best result is achieved when used within 12 months after manufacturing date.
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Technical data	Water required: ca 3-3.25 litres per 25 kg bag.
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	Drying time: approx. 24 hours
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	Pot life of mixture: approx. 2 hours.
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	Largest grain size: 3 mm.
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	Compressive strength: 28 days > 5 MPa.
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	Mortar class: M5 - NS-EN 998-2
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Safety	Robust™ Murmørtel M5 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 .
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Packaging	Available in 25 kg bags.
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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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