



# Støpemørtel B20



**Screed mortar for filling small areas. For internal and external use**

## WHERE TO USE

**Støpemørtel B20** is used for smaller mortaring projects for both internal and external uses. The product is well suited for mortaring U-blocks, foundations, and as mortar for natural stones. Frost-proof.

## TECHNICAL CHARACTERISTICS

**Støpemørtel B20** is a dry mortar containing cement, filler and natural aggregates. The mortar should only be mixed with water and can be applied on both interior and exterior surfaces.

## INSTRUCTIONS FOR USE

### Preparing the substrate

Substrates should be free of mud, dust, grease and loose particles. Absorbing substrates should be watered. Free water should not be on the surface of the substrate when the application starts. The temperature of the substrate and the ambient temperature should not fall below +5 °C.

### Mixing

should be mixed with 3-4 liters dependent on the desired consistency. Increased water content will give a lower compressive strength and larger shrinkage. The mortar should be mixed with a concrete mixer or with drill and whisk.

## APPLICATION

**Støpemørtel B20** may be applied with common masonry tools. Make sure to achieve good

compression and make sure to fill airpockets with mortar. Avoid using product that has begun setting. At lower temperatures you may add **Antifreeze N** to the mortar to achieve a lower freezing point, but precautions like heating and covering should be followed to avoid the setting process halting.

## FINISHING

Immediately after application the surface should be protected from drying out with **Mapecure 1** curing membrane, covering with plastic film or by watering.

## CLEANING

The product may be removed from tools and equipment used during application with water, but if the product is allowed to set it can only be removed mechanically.

## CONSUMPTION

A 25 kg sack gives approx. 12 - 13 liters mortar.

## PACKAGING

**Støpemørtel B20** is available in 25 kg sacks and 1200 kg big-bag.

## STORAGE

**Støpemørtel B20** can be stored in 12 months in a dry place in the original packaging

**Støpemørtel B20** complies with the conditions of Regulation (EC) N° 1907/2006 (REACH), Annex XVII, item 47.



TECHNICAL DATA (typical values)			
<b>PRODUCT IDENTIFICATION</b>			
Appearance:	powder		
Colour:	grey		
Maximum aggregate size (mm):	4.0		
Dry solids content (%):	100		
<b>APPLICATION DATA (at +20°C-50% RH)</b>			
Colour of mixture:	grey		
Mixing ratio:	12-16% water, 3 – 4 liters per 25 kg bag. This gives a massratio of 0.55-0,60		
Density of mixture (kg/m³):	2100		
Application temperature range:	from +5°C to +35°C		
Pot life of mixture:	approx. 2 hours		
<b>FINAL PERFORMANCE (14% water, +20°C and 50% RH)</b>			
<b>Performance characteristics</b>			
Performance characteristics	Test method	Declared classes	Product performance
Reaction to fire:	EN 13501-1	A1 <sub>fl</sub>	
Compressive strength:	EN 13892-2	C25	> 10 N/mm <sup>2</sup> (7 days) > 25 N/mm <sup>2</sup> (28 days)
Flexural strength:	EN 13501-1	F5	approx. 6 N/mm <sup>2</sup>
Shrinkage:	EN 13454	NPD	
Consistency:	EN 12706	NPD	
Bond strength:	EN 13892-2	NPD	

### SAFETY INSTRUCTIONS FOR PREPARATION AND INSTALLATION

Støpemørtel B20 contains cement that when in contact with sweat or other body fluids cause irritant alkaline reactions and allergic reactions to those predisposed. It can cause damage to eyes. It is recommended to wear protective gloves and goggles and to take the usual precautions for the handling of chemicals. In case of contact with eyes or skin wash immediately with plenty of water and seek medical attention.

For further and complete information about the safe use of our products please refer to the last version of our material safety data sheet.

PRODUCT FOR PROFESSIONAL USE.

#### WARNING

Although the technical details and recommendations contained in this product

data sheet correspond to the best of our knowledge and experience, all the above - information must, in every case, be taken as merely indicative and subject to confirmation after long-term practical application: for this reason, anyone who intends to use the product must ensure beforehand that it is suitable for the envisaged application: in every case, the user alone is fully responsible for any consequences deriving from the use of the product.

Please refer to the current version of the technical data sheet, available from our web site [www.mapei.no](http://www.mapei.no)

**All relevant references for the product are available upon request and from [www.mapei.no](http://www.mapei.no)**



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