

Mur 12/4 SPS

masonry mortar



0965-CPD-MM0503/505

Field of Application

Mur 12/4 SPS is recommended for all masonry work, whether load-bearing or not, inside or out. For non-absorbent brick or block masonry.

Characteristic

Mur 12/4 SPS is a ready-to-mix cement-based mortar for non-absorbent or only slightly absorbent masonry block.

Composition

Mur 12/4 SPS is a blend of Portland cement, washed and graded river sand, aggregates and selected additives.

Preparation underground

Bricks that are too wet may cause poor adherence. The adhesion between the mortar and the brick is assessed by separating two mortared bricks after one minute. For good adherence the break should occur in the mortar.

Under no circumstances should bricks be water-soaked when work is in progress.

The bricks should be free of dust.

The work should be protected from the cold, from lashing rain and from wind.

During the work and while hardening, the ambient temperature and that of the substrate should be neither lower than 5°C nor higher than 30°C.

Never work on a substrate that is frozen, thawing or likely to freeze in the following 24 hours.

Preparation mixture

Mur 12/4 SPS is preferably mixed mechanically, with clean water (Around 4.5 litres per 40 kg bag) up to the desired consistency.

The mix should be homogeneous, creamy and free of lumps.

Batch use time is around 2 hours.

Mortar that has started to harden may not be remixed or reused.

Consumption

Yield: 1 tonne dry mortar: 580 litres of masonry mortar 25 kg dry mortar: 14 litres of masonry mortar

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Technical data

Particle size distribution	0 - 4 mm
Apparent density	$\pm 1,900 \text{ kg/m}^3$
Water requirement	$\pm 10.5\%$
Spread	1.7
Air content	$\pm 12\%$
Compression strength at 28 days	$\geq 12 \text{ MPa}$
Flexural strength at 28 days	$\geq 2.0 \text{ MPa}$
Adhesion at 28 days	$\geq 0.2 \text{ MPa}$

Packaging

Mur 12/4 SPS is packed in 40 kg bags on 1,600 kg shrink-wrapped Euro pallets
12-month shelf life in the original packing and protected from moisture.

Special references

The type and preparation of the support surfaces and application should comply with and adhere to CSTC provisions and NF XP 10-202

Classification

Mur 12/4 SPS is a mortar with prescribed compression resistance characteristics in accordance with NBN B14-001.

Mur 12/4SPS is a mortar with grade 2 resistance according to standard NBN B14-00.