

## Product data SILKAFIX thin joint mortar

### Product description

Designed factory made thin joint mortar for calcium silicate masonry for internal use or use below ground level in elements subject to structural and non-structural requirements.

### Composition

SILKA-fix thin joint mortar is specially designed for use with Silka calcium silicate blocks and elements. Silka-fix is supplied dry and in pre-mixed 25kg bags. The mortar has to be mixed for 4 minutes with the quantity of water stated on the bag. This to ensure that water can mix with all the cement particles. After mixing for 4 minutes a creamy mass should have been created with no dry mortar in the mix.

It remains workable within the bucket for approx. 4 hours (summer type) and 2 hours (winter type). Winter type can be used if the temperature during usage and hardening does not exceed  $-3^{\circ}$ . It will reach its initial bond strength within 7 to 10 minutes, and full design bond strength within 28 days.





**Dry bulk density:**

~~1.450~~ +/- 50 kg/m<sup>3</sup>

**Compressive strength:**

≥ 12,5 N/mm<sup>2</sup>

**Initial shear strength:**

≥ 0,3 N/mm<sup>2</sup>

**Chloride content:**

< 0,1 % m/m

**Reaction to fire:**

Class A1

**Water absorption:**

< 0,35 kg/m<sup>2</sup>.min<sup>0.5</sup>

**Water vapour permeability:**

5 / 20

**Thermal conductivity:**

0,45 W/mK

**Durability (against freeze/thaw)**

History has shown, that the mortar has a high freeze/thaw resistance when applied in the intended place of use.

**Bond strength :**

≥ 0,4 N/mm<sup>2</sup>

**Workable life in hours :**

≥ 4 hours (summer type)

≥ 2 hours (winter type)

**Correction time :**

> 7 minutes

**Other information**

Xella's technical staff are on hand to render assistance with written or telephone enquiries.

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