

Instructions for use of SKAMOL insulating mortars

SKAMOL FL-06 Mortar

Application

SKAMOL FL-06 is an insulating refractory mortar for jointing of all SKAMOL Moler bricks at dry state - in particular the heavier grades, SKAMOL V-LITE bricks, Group 20 insulating firebricks, and for fixing the range of SKAMOL insulating calcium silicate and vermiculite slabs (SUPER-ISOL, SUPER-1100E, SUPER-1100ET; V-1100 grades, VIP-12). Combined air- and heat-setting.

Description

SKAMOL FL-06 mortar is supplied in 25 kg (55 lbs) plastic sacks and consists of two dry parts. The chemical binder is in a small separate plastic bag and the larger bag contains a mixture of refractory powders.

Mixing

Water usage **9.5 litres to 25 kg mortar** (2.5 US gal. to 55 lbs). Mix the 2 components thoroughly in dry state. Add water and allow to settle for about 15 minutes - then mix again and adjust if necessary by adding water or powder. Prepared mortars will remain workable for a full working day (8 hours).

Laying

For best results the joints should be as thin as possible and the jointing surfaces completely filled.

Setting

SKAMOL FL-06 mortar is combined air- and heat-setting. The finished brickwork should be dried out completely before commissioning heat. After 24 hours' air-drying at 15-20°C (59-68°F) the mortar has gained sufficient strength.

Total air-setting of the mortar is achieved in 7 days and the strength will increase as the brickwork is heated. The construction should be heated at a slow rate in order to allow evaporation of steam and to prevent damage of brickwork.

Do not expose to frost during installation.

Usage:

Normal requirement to set 1 m³ of finished insulating bricks is approx. **110 kg dry mix** (6.9 lbs to 1 cu.ft.) and to fix 1 m² of slabs is approx. **5.3 kg dry mix** (1.1 lbs to 1 sq.ft.)

Storage

The plastic sacks as supplied must be stored in dry conditions and under cover to avoid direct sunlight.

Caution

The chemical binder used for FL-06 is alkaline in the same way as normal housekeeping soda. It may therefore prove to be aggressive to sensitive skin. Avoid contact with grains of binder and the wet mix by using rubber gloves and eye goggles. **Do not get any into the eyes.** If this happens, flush at once with plenty of clear water and call for medical attention.

For further details, see separate Material Safety Data Sheet on the range of SKAMOL insulating mortars.