6.5 Contec Thin Bed Mortar

Technical Sheet

Description

Contec Thin Bed Mortar is a dry-mixed (ready mix) component consisting of fine powder sand, Portland cement and organic additives to improve the mortar's properties.

Uses

Wall Units. For laying AAC blocks when erecting exterior and interior load bearing and non-load bearing masonry wall. Contec Thin Bed Mortar is applied to horizontal and vertical joints with a Contec trowel of the same width as the block. Thin bed mortar joints must not exceed 1/16".

Mixing the Thin Bed Mortar

Use the entire content of one bag (44 pounds). For each bag of mortar add approximately 2.4 gallons of water. Use a plastic bucket for mixing. A variable speed drill with the Contec stirrer is used for mixing the thin bed mortar with water in a bucket. Mix for 5 minutes and remix before appilcation. The desired consistency is that which allows mortar to flow easily through a notched trowel

Laying with Contec Thin Bed Mortar

Apply to AAC using an appropriately sized notched trowel. Deposit the proper amount of Thin Bed Mortar along the center of the horizontal surface to evenly distribute the mortar over surface. Use the trowel to directly apply mortar to the vertical surface, drawing it from the bottom to the top of the block. The mortar allows for approximately 5 minutes of straightening and adjustment of the unit before it begins to set.

Surface Preparation

All surfaces to receive Thin Bed Mortar must be clean, free of grease, oil, dirt, paint and ony other residues. Remove dust on AAC using a brush.

Technical Data

Compressive Strength: 1700 psi (12 N/mm^2)

Precautions

Contec thin bed mortar contains Portland cement. May be irritating to eyes and nose. Avoid eye contact or prolonged contact with skin. Use safety gear: gloves, dust mask and goggles.

Helpful hints for using Contec Thin Bed Mortar

- **Working life** of mixture is about 4 hours.
- **Drying time** Total curing is obtained in 24 hours.
- Joints should not exceed 1/16" thick.
- Do not wipe away any excess mortar that exudes from the joints right away as it might smear. Let it set partially and then scrape off with a spatula.

Delivery, storage and use of Contec Thin Bed Mortar

Thin bed mortar comes dry from the factory and is packed in sealed sacks. Sacks should be protected against damage, placed in a dry area and protected against moisture.

Product storage life

Product storage life is 6 months. Contec Thin Bed Mortar must not be used when the temperature is below 4°C (39°F).

Coverage

The coverage is approximately 1.4 pcf of AAC.

Cleaning

Clean tools with water. Protect glass, metal, stone, brick and other areas from contact with plaster.

Tools

- Stirrer for Power drill
- Plastic bucket
- 1/2” Power drill

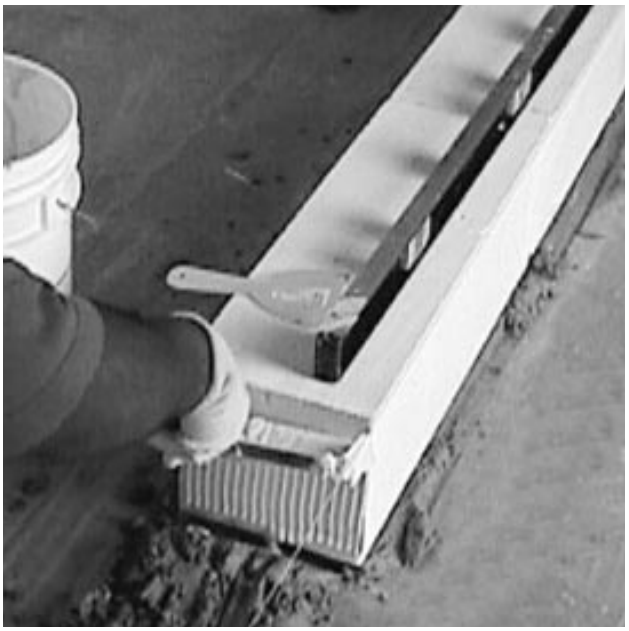

Fig. 6.70: Contec Thin Bed Mortar application using a notched trowel.

6.6 Contec Repair Mortar

Technical Sheet

Description

Contec Repair Mortar is a dry-mixed (ready mix) component consisting of inorganic aggregates in a fine powder, Porltand cement and additives to improve the mortar´s properties.

Use

Contec Repair Mortar may be used on Contec blocks and panels for patching and aesthetic repairs.

Mixing the Repair Mortar

For each pound of mortar add approximately 6 ounces of water. Use a plastic bucket for mixing. A variable speed drill with the Contec stirrer is used for mixing the repair mortar with water. Follow the instructions printed on the bag.

Helpful hints for using Contec Repair Mortar

- Working life of mixture is about 15 minutes.
- Do not wipe away any excess mortar that exudes from the patching area right away as it might smear. Let it set partially and then scrape off with a spatula and sand down.
- It is advisable to wear safety equipment (gloves, dust mask, etc.) since Repair Mortar contains cement and this may cause irritation to the skin, eyes or breathing.

Delivery, Storage and Use of Contec Repair Mortar

Repair mortar comes dry from the factory and is packed in sealed sacks. Sacks should be protected against damage, placed in a dry area and protected against moisture or freezing.

Do not apply if temperature is below 4°C (39°F) or in rainy conditions.

Tools

- Stirrer for Power drill
- Plastic bucket
- 1/2” Power drill

Precautions

Contec Repair mortar contains Portland cement. May be irritating to eyes and nose. Avoid eye contact or prolonged contact with skin. Use safety gear: gloves, dust mask and goggles).

Fig. 6.71: Contec Repair Mortar bag.