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SIDER THIN-BED MORTAR AAC

SIDER COARSE-BED MORTAR AAC

The Natural Glue Mortar for Autoclaved Aerated Concrete and Foam Details Products.

1.0 DESCRIPTION

1.1 General

Sider Thin & Coarse-Bed Mortar's AAC are high performance glue-mortar's, specifically designed by Sider-Crete, Inc. and formulated for use with Aerated Autoclaved Concrete (AAC) and foam details products. **Sider Thin & Coarse-Bed Mortar's AAC** are the natural choices to bond AAC units to each other or to concrete foundations rendering a strong mechanical bond with excellent adherence properties. **Sider Thin & Coarse-Bed Mortar's AAC** is also used to bond foam shapes to each other and Insulated Concrete Form s.

2.0 MATERIALS

2.1 Sider Thin & Coarse-Bed Mortar's AAC

Sider Thin & Coarse-Bed Mortar's AAC consist of a mixture of Portland cement, sand and proprietary additives and is available in a 55 lb. (25 kg) bag requiring only the addition of potable water at the job site.

3.0 MIXING INSTRUCTIONS

3.1 Sider Thin & Coarse-Bed Mortar's AAC (All Grades)

Approximately 2 gallons (7.5 to 8 quarts) of clean potable water is to be added per bag of **Sider Thin & Coarse-Bed Mortar's AAC**. Mix in a batch mixer or a clean bucket (using a drill with paddle mixer). Pour water into the mixing container first, and then add **Sider Thin & Coarse-Bed Mortar's AAC** while mixing. Mix no less than 5 minutes; allow the mix to rest for 2 minutes and then mix again for 2 minutes to yield good plasticity and a homogeneous mix, but do not over mix. Do not re-temper the material nor use partially set or frozen material in the mix.

4.0 INSTALLATION

4.1 Application for Aerated Concrete and foam shapes.

Surface preparation:

Surfaces must be free of all bond-inhibiting materials, including dirt and other foreign particles. Using a brush, it is strongly recommended to clean any debris off of the AAC surface to be bonded moments before application and setting. Rasp foam surfaces for improved performance.

Application:

Apply **Sider Thin & Coarse-Bed Mortar's AAC** with a notched trowel over both the vertical and horizontal surfaces of the AAC or foam then place into position. Do not move the AAC unit or foam shape after mortar has set, as this will break the bond.

4.2 Limitations

Apply **Sider Thin & Coarse-Bed Mortar's AAC** on surfaces in ambient temperatures above 45° F (8° C) and below 95° F (35° C) during application and curing period. Do not apply to overheated or frozen AAC units. It is highly recommended to contact the AAC product manufacturer for construction details and more detailed specifications on the assembly of AAC products. Contact technical support at Sider-Crete, Inc. for additional information and application outside these temperatures at (1) 478-892-9800. Due to the natural ingredients which make-up **Sider Thin & Coarse-Bed Mortar's AAC** or the nature of the substrate, the development of efflorescence may naturally occur.

5.0 MISCELLANEOUS

5.1 Packaging

55 lb. (25 kg) bag of powder in a paper bag with moisture barrier

5.2 Coverage

30 to 35 -- 8" AAC blocks @ 1/8"

120 to 150 square feet when used as an adhesive for foam shapes.

(Coverage is approximated and is given for estimating purposes only. Actual jobsite coverage may vary according to substrate conditions and application techniques.)

5.3 Technical Assistance

For technical support, contact Sider-Crete, Inc. at (1) **478-892-9800** for further information.

5.4 Storage and Shelf Life

Shelter in a dry environment from extreme heat, direct sunlight, rain and freezing. Shelf life is six months in the original sealed packaging properly sheltered.

5.5 Clean Up

Sider Thin & Coarse-Bed Mortar's AAC cleans up with water prior to drying. Clean tools and equipment after use with water. Clean up and remove materials from the site caused by the

installation and dispose of by federal, state and local regulations and guidelines in an approved landfill.

5.6 Commercial Name

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*And now, enjoy using **SIDER THIN & COARSE-BED MORTAR'S AAC** and benefit from this revolutionary technology developed by Sider-Crete, Inc., innovative leaders in the construction industry since 1937*

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