PRODUCT DATA SHEET

webermix ALC thin joint mortar

(Formerly known as E.MIX ALC THIN JOINT MORTAR)

Cement-based dry-set mortar for thin jointing of ALC Blocks passing Fire Test BS 476

PRODUCT

webermix ALC thin joint mortar is a high quality water resistant dry-set mortar. It is designed for the masonry of Autoclaved Lightweight Concrete (ALC) blocks. It is specially formulated for filling of vertical and horizontal joints for ALC wall system. 2 – 3 mm thickness is sufficient for ALC blocks masonry.

Uses

- Masonry for ALC blocks

Features and Benefits

- Formulated to comply with British Standard and Chinese Standards
- Fire resistance of over 260 minutes at 1,300°C
- Single component: fixed mixing proportion, ensure the quality of work
- Shrinkage compensated: reduce the shrinkage cracks
- Thin layer application: less consumption of mortar
- Good levelling of wall; prevent descend of blocks

TECHNICAL DATA

Colour	Grey
Component	Portland Cement, Non-reactive Aggregate, Graded Sand and other chemical additives
Max. Aggregate Size	0.5 mm
Water Demand	Approx. 26 – 28% (10.4 – 11.2 L /40 KG bag)
Density	1.5 kg/L (dry) 1.5 kg/L (wet) for 21% water demand
Pot Life	Approx. 1 hour
Thickness	2 – 3 mm
Coverage	Approx. 1.3 kg/m^2/mm
Theoretical Consumption	Approx. 16 m2 wall area per 40 KG bag for 600 x 200 x 100 mm ALC blockwall or equivalent. (Calculation based on mortar thickness of 2.5 mm)

SAINT-GOBAIN

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PHYSICAL PROPERTIES

Fire resistance	BS 476 : Part 22	264 minutes fire resistance at 1,300°C
Adhesive Strength	JC/T 890	0.3 N/mm^2
Compressive Strength	BS 6319 : Part 2, HKHA MTS (2002/2004) Spec. Part D, Cl. 2.1.1	5 N/mm^2
Flexural Strength	BS 6319 : Part 3	1.5 N/mm^2
Shrinkage	JC/T 890	< 1.1 mm/m

Unless specified, all technical data refers to 28 days curing time

Above physical data are taken on laboratory tests. In situ material performance may vary according to environmental & workmanship conditions beyond manufacturer control.

Complied Standards

British Standard : BS 476 : Part 22 : 1987, BS 6319 : 1983
Chinese Standard : JC/T 890 : 2001, JG/T 230 : 2007

PROCEDURE

Substrate Preparations

All substrates should be firm and clean. Impurities and substances that may weaken the bond such as dust, oil, loose particles should be removed from ALC block surfaces.

Mixing and Installation

Mix a bag of dry-mixed powder (40 KG) with approx. 26 – 28% (10.4 – 11.2 L) of water by using an electrical mixer for 2 – 3 minutes.

Ensure ALC blocks joints are fully covered with the joint mortar by using a trowel.
Blocks should be jointed before formation of film on the surface of the **webermix ALC thin joint mortar**. Completed joints should be covered by **webermix ALC thin joint mortar** with thickness of approx. 2 – 3 mm. Upon positioning of ALC blocks, immediately remove excess joint mortar from the surface of the joints before it sets. ALC wall should be laid to the correct alignment such that thin plasters can be applied on the completed wall internally. Allow **webermix ALC thin joint mortar** to set and harden for at least 24 – 48 hours to achieve its initial bond strength.

Please refer to our method statement for procedures in details.

Curing

Natural air curing is enough for **webermix ALC thin joint mortar**. Water mist is not required for interior application. However, water mist is requested under extremely hot or dry condition.

HEALTH AND SAFETY

Recommend to wear NIOSH approved or equivalent particulate face mask when mixing the material.

Material contains cement, which may produce an allergic effect.

Keep out of reach of children.

Material may cause irritation to eyes and skin. In case of contact with eyes, rinse immediately with plenty of water and seek medical assistance. After contact with skin, wash immediately with plenty of soap and water.

Please refer to Material Safety Data Sheet (MSDS) for health, safety and handling of the product.

CLEANING & DISPOSAL OF WASTE

Cured material can be removed mechanically, if uncured, material can be removed with water. Dispose of waste in accordance with legislation.

* Note: The information and physical data in this catalogue is given to the best of our knowledge under standard testing method and controlled environment. The results may vary with different weather / site conditions, workmanship or substrates. This is beyond our control that we shall not be liable for any faults or consequences arising or associated with this. We suggest comprehensive tests to be conducted before final application. Unless specified, all technical data are average values with curing time of 28 days. We reserve the right to update or amend the contents in the light of new findings during the course of research and development.