

ISO GAS CONCRETE 1056

Product Data Sheet (TDS)

DESCRIPTION

ISO GAS CONCRETE 1056 is a cementitious, prebagged, one component mortar that requires only addition of water at site.

Contains cement, graded sand and additives to improve workability, adhesion and water retention.

ISO GAS CONCRETE 1056 specially formulated for jointing/ bonding of AAC (autoclaved aerated concrete) or ALC (aerated lightweight concrete) blocks, panels and lintels.

Its high adhesion and flexural strength ensure higher load carrying capacity thus minimizing the occurrence of cracking to walls or joint area in interior and exterior conditions. Suitable for use in hot and tropical climatic conditions.

USES

Block jointing adhesive for regular / hollow / autoclaved ALC and AAC blocks and any other high water-absorbing construction elements.

ADVANTAGES

- Premixed with good and consistent quality.
- Excellent workability, user friendly, just need to mix with water and apply.
- Pre-packed, complementing IBS construction to achieve good construction quality and less labor intensive.
- High adhesion and fast setting, promoting speedier ALC / AAC block wall construction.
- Durable and good weather resistance.



PRODUCT & TECHNICAL DATA

Composition	Portland cement and selected graded aggregates
Appearance	White & Grey Powder
Mix Density	1.93 g/cm ³
Bulk Density	1.89 g/cm ³
Maximum grain size	Dmax: 0.8 mm
Mixing ratio	20% - 16% of water
Compressive strength (ASTM C 109)	at 28 days > 10 N/mm ²
Open Time	Approx. 30 minutes (23 °C). May vary depending on porosity of substrate and ambient temperature
Pot Life	Approx. 4 hours (23 °C)
Mixing ratio	6 - 7 L water per 25 kg bag
Application ambient Air Temperature	(+5 °C) – (+40 °C)
Application substrate Temperature	(+5 °C) – (+40 °C)

APPLICATION PROCEDURE

Surface preparation

Blocks and bricks surface should be surfaces must be sound, clean and free from dirt, dust, grease, cement laitance, loosely adhering particles and all other contaminants which will inhibit proper bonding.

Absorbent surfaces should be saturated thoroughly with clean water.

Mixing

Add water according to the desired consistency (6-7 liters of water for 25 kg bag) into a clean mixing vessel before slowly adding the ISO GAS CONCRETE 1056 powder.

Mix thoroughly for 3-5 minutes using mechanical mixer until the homogenous paste is achieved and lump-free.

Allow mixture to stand for 5 minutes and re-stir before use.

Re-mix if the mixture is left unattended for more than 15 minutes.

Do not add extra water or other ingredients. Mix only full bags for best results.

Note: In hot weather application, use chilled water to extend the open time of the mixed materials.

Application

Spread the adhesive to fixing surfaces of blocks with a thin bed using notched trowel at bed thickness between 3 to 6 mm.

Work in a small area at a time and fix blocks immediately to avoid skin over of adhesive bed.

Re-trowel if the adhesive bed surface had skin over.

Use a rubber mallet to tap and adjust the blocks firmly on the adhesive bed to ensure good contact and alignment is achieved. Remove excess adhesive before it sets or hardens.

Allow adhesive bed to set for 24 hours before any subsequent works.

Protect newly applied mortar from sun and wind.

After setting of ISO GAS CONCRETE 1056 curing with water will help to gain better strength.

CLEANING

Clean all the tools with water immediately after use.

Hardened materials can be removed mechanically only.

PACKING

ISO GAS CONCRETE 1056 is supplied 25 Kg bags.

SHELF LIFE

Shelf life is up to 12 months from production date when stored as per recommendations.

STORAGE

Product must be stored in original unopened, and undamaged sealed packaging in dry conditions, under cover, out of direct sunlight at temperatures between +5 °C and +35 °C. In tropical climates the product must be stored in air-conditioned environment.

HEALTH AND SAFETY

As with all construction chemical product, caution should be always be exercised.

Protective clothing such as gloves and goggles should be worn.

Treat any splashes to the skin or eyes with fresh water immediately.

Should any of the products be accidentally swallowed, do not induce vomiting, but call for medical assistance immediately.

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E: info@isobitiraq.com.

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