

ISO BLOCK 1057

Product Data Sheet (TDS)

DESCRIPTION

ISO BLOCK 1057 is a pre-mixed, one component cementitious-based adhesive mortar for laying and fixing of concrete block, clay brick and other similar masonry units.

It has an excellent bonding strength and water retention properties.

ISO BLOCK 1057 is consisted of cement, selected natural mineral aggregates and special additives for performance improvement.



USES

Block jointing adhesive for concrete block, clay brick and other similar masonry units, suitable for both interior and exterior use.

ADVANTAGES

- Premixed with good and consistent quality.
- Strength compatible to concrete block masonry.
- 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 block wall construction.

PRODUCT & TECHNICAL DATA

Composition	Portland cement, selected graded aggregates and special additives
Appearance	Grey Powder
Bulk Density	1.75 kg/ltr
Mix Density	2 kg/ltr
Maximum grain size	Dmax: 2 mm
Mixing ratio	4 – 6 liters of water for 25 kg bag
Compressive strength at 28 days (ASTM C 109)	> 5 N/mm ²
Open Time	Approx. 15 minutes (23 °C). May vary depending on porosity of substrate and ambient temperature
Pot Life	Approx. 1 hours (23 °C)
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 (4-6 liters of water for 25 kg powder bag) into a clean mixing vessel before slowly adding the ISO BLOCK 1057 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 10 to 15 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.

CURING

ISO BLOCK 1057 must to be cured by keeping moist for a minimum period of 3 days.

CLEANING

Clean all the tools with water immediately after use.

Hardened materials can be removed mechanically only.

PACKING

ISO BLOCK 1057 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 packaging, under cover, out of direct sunlight and protect from extreme temperatures.

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.

Prior to use of any ISOBIT product, its subsidiaries, or affiliates, the user should always read and follow the warnings and instructions on the latest version product technical data sheet. ISOBIT guarantees its products against defective materials within the validity period of the product when properly stored, handled, and applied under normal conditions in accordance with ISOBIT's recommendations. ISOBIT does not guarantee the use and application of these products because the terms of their application are beyond its control. ISOBIT reserves the right to change the characteristics of its products and to modify the technical releases without prior notice.

NO OTHER WARRANTIES EXPRESS OR IMPLIED SHALL



E: info@isobitiraq.com.

ISOBIT for Building Chemicals

