

An ISO 9001 : 2008 CERTIFIED COMPANY

#### BLOCK Adhesive

Non Shrink,

- Multipurpose Adhesive
- Specially made for Construction Related Various Applications

# 

BLOCK

### ADHESIVE

#### CONSTRUCTION CHEMICALS

Indian

#### Our Other Range of Products

- Admixtures
  Admixtures
  Surface Treatments
  Surface Treatments
  Concrete Repairs
  Polysulphide Sealants
  Protective Coatings
- Engineering Grouts
  Readymix Mortal 8
- Industrial Floor Surface Adhesives

### The ART of construction chemicals!

#### info@indianconstructionchemicals.in

#### PRODUCT DESCRIPTION:-

INDIAN BLOCK ADHESIVE is a factoryprepared blend of carefully selected raw materials, Portland cement, and graded aggregates and polymers. Designed for use with water to produce high strength thixotropic mortar, for laying Aerated Lightweight concrete, Fly ash bricks, cement hollow blocks, Cellular concrete blocks, or smoothing over the blockwork surface in layers of up to 12mm thickness, that meet and exceed the requirements of National and International Standards.

APPLICATION:-

For interior and exterior use for preparing thin bed adhesive for AAC, ALC and cellular concrete blocks.



### High Bonding Strength

#### No curing required after block work is done



#### to load bearing capacity of masonry

#### Ready to use

#### Long working time

#### Fast & economical



#### SUITABLE SUBSTRATES:-

- Concrete Blocks
- Cement Mortar Blocks/Bricks
- Concrete hollow blocks
- Aerated Light weight blocks
- · Cellular concrete blocks
- Fly Ash Bricks



## **Packaging:** 40 kg laminated bags **Colour:** Grey

**NOTE:** Coverage depends on the substrate evenness and the thickness at which the INDIAN Block adhesive is applied.



Factory sealed bags of this product are guaranteed to be of first quality for **two (2) years** if stored off the ground in a dry area, at **21°C**. High humidity will reduce the shelf life of the bagged product

#### PRECAUTIONS:

# • During cold weather, protect finished work from use until fully cured.

 Incase of contact with eyes flush thoroughly with water.



#### Keep out of reach of children

#### **Applicable Standard:**

Conforms to ANSI A118.1 & ANSI A118.4-1999

#### **Performance Properties:** INDIAN BLOCK ADHESIVE mixed with water

#### **Test Results**

Compressive strength >12 MPa Flexural Strength >3 MPa Tensile Adhesion strength >1MPa



## Thickness Coverage for 40 Kg bag



2 mm 150 Sq ft

3 mm 120 Sq ft

4 mm 100 Sq ft

5 mm 80 Sq ft



#### 6 mm 60 Sq ft

### Working Properties:

INDIAN BLOCK ADHESIVE mixed with water (70°F (21°C)) Pot Life 1 Hour Open Time 30 Minutes Time to Plaster 24 hours Time to full dry hard 14 Days Wet Density 1750 kg/m<sup>3</sup> Specifications are subject to change without notification. Results shown are typical but reflect test procedures used. Actual field performance will depend on installation methods and site conditions

#### Surface Preparation:

All surfaces should be between 40°F (4°C) and 90°F (32°C) and structurally sound, clean and free of all dirt, oil, grease, concrete sealers, or curing compounds. Rough or uneven concrete surfaces should be made smooth with **INDIAN SBR LATEX WITH Cement** underlayment to provide a wood float (or better) finish. Installation may be made

### on a damp surface. **Do not cover expansion joints with mortar**.

#### Mixing:

Use approx. 25kg of **INDIAN BLOCK ADHESIVE** thin-bed mortar with Approx. 7.5 liters of pure water. Take water in the container and slowly add the powder into the water while mixing by hand or slow speed mixing machine. Mix for 3 to 5 minutes till a smooth thixotropic mix without lumps is obtained.



**Clean tools and** containers with water while mortar is fresh.

### Application

#### Thin bed mortar for laying blocks:

Before placing mortar, ensure the block work to be dry and surfaces cleaned properly. Place the mixed mortar on the block work in thin layers of 2 to 3 mm (or as required by engineers at site) using trowel and place the next layer of blocks on the mortar. Keep joints between the blocks as

#### required by the site engineers and fill the joints with the mixed mortar, using a trowel. Check the plumb of the wall while laying the blocks to keep the walls perfectly vertical to the plumb.

#### **Smoothing over the block work:** Before placing mixed mortar, apply a bonding layer of 1 to 2mm thick **INDIAN BLOCK ADHESIVE** mortar using a trowel pressing down on the block work.



#### **PRICING:** Contact a INDIAN CONSTRUCTION CHEMICALS representative / Authorized dealer in your area.



#### WARRANTY:

INDIAN CONSTRUCTION CHEMICALS warrants that INDIAN BLOCK ADHESIVE, Thin bed mortar is free from manufacturing defects and will not break down, deteriorate, or disintegrate under normal usage for a period of TWO (2) years from the date of manufacture,

### MATERIAL SAFETY DATA SHEET

#### **PRODUCT IDENTIFICATION**

#### TRADE NAME: INDIAN BLOCK ADHESIVE

CHEMICAL NATURE: Odorless powders containing granular materials like Silica sand and Portland cement, which is insoluble in water. After mixing with water or admixture, it becomes a bonding agent for all types of cementitious block installation. MANUFACTURER'S NAME: INDIAN CONSTRUCTION CHEMICALS PLOT NO 569 MEGA GIDC VILLAGE KHAREDI DIST.DAHOD

#### GUJARAT, INDIA



#### HEALTH HAZARD INFORMATION

Symptoms of overexposure for each potential route of exposure (Possible Longer-Term effects): Chronic Bronchitis, possible silicosis, or cancer if exposed to greater than permissible limits for a a prolonged period of time



#### SIGNS AND SYSTOMS OF EXPOSURE (Acute effects)

Inhaled: Irritation of nose, cough, labored breathing, expectoration contact with skin or eyes: Irritation of eyes, skin sensitization Absorbed through skin: N/A

#### Swallowed: Expectoration



#### FIRST AID: EMERGENCY PROCEDURES

Eye Contact: Hold eyelids apart and immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention immediately.

Skin Contact: Promptly wash contaminated skin with soap or mild detergent and water.

Inhaled: Move the exposed person to fresh air at once.

Swallowed: If the person is conscious, give large quantities of water. After swallowing water, try to get the person to vomit. Get medical attention immediately.



Flash Point : Not flammable or combustible Unusual fire and explosion hazards : N/A



#### **SPILL, LEAK AND DISPOSAL PROCEDURES**

- Spill response procedures (include employee protection measures): Shovel into pails or drums with Covers.
- Wear appropriate equipment to prevent skin and eye contact; also
- a dust mask approved by NIOSH.
- Preparing wastes for disposal (container types, neutralization, etc): N/A
- NOTE: Dispose of all wastes in accordance with federal, state and

local regulations.







#### **EXPOSURE CONTROLS AND PERSONAL PROTECTION**

Ventilation and engineering controls: N/A

Respiratory protection (type): A NIOSH-approved dust mask if TLV is exceeded.

Eye protection (type): Chemical goggles or safety glasses Gloves (specify material): Use impervious gloves, vinyl or rubber Other clothing and equipment: Use appropriate clothing to

- prevent skin contact. Barrier
- creams will assist in protecting the skin from contamination. Work practices, hygienic practices: Familiarize the employees with the special handling
- procedures in this section; also encourage prompt removal of contaminated clothing and washing of
- contaminated area.
- Other handling and storage requirements: N/A Protective measures during maintenance of contaminated equipment: See above



**PHYSICAL PROPERTIES** Vapour density (air =1): N/A Melting point or range, °F: N/A Specific gravity @250C: 1.5-2.5 g/cc Boiling point or range, °F: N/A Solubility in water : insoluble Evaporation rate (Butyl acetate =1) : N/A

Vapour pressure, mmHg at 20°F: N/A

Appearance and odor: Grey or white odorless powder

HOW TO DETECT THIS SUBSTANCE (Warning properties of a substance as a gas, vapor, dust, or Mist): N/A



Stability: Stable Conditions to avoid: Keep dry until used.

Incompatibility (Materials to avoid): N/A Hazardous decomposition products (Including combustion products): (from burning, heating, or reaction with other materials): N/A Hazardous polymerization: Will not occur Conditions to avoid: N/A









N/A

Dispose of in compliance with local, state, and federal regulations.

#### **TRANSPORT INFORMATION** No special labeling or transportation information is required.



TSCA inventory of chemical substances.

