

PRODUCT INFORMATION

SPECIFICATIONS
VYBOND complied with ASTM C 1059.

PACKAGING
VYBOND will be packaged 1, 5, 20, 200 kg in plastic pail.

COVERAGE
 The recommended doses are mentioned in the table which depends on the application and the type of the used cement, also the dose is determined by the cement weight.
 Other doses can be determined in a dependent trial to obtain the optimum dose. The dose depends on the cement type, temperature, w/c ratio and the quality of the ingredients.
 Clean all tools and application equipment with water immediately after use before the material hardens.

SHELF LIFE
 12 months if stored in original unopened packs.

STORAGE
VYBOND should be stored in clean ground over plastic or wooden pallets out from direct sun direct sun light and moisture at temperature between +5°C to +35°C

DESCRIPTION

VYBOND is a modified styrene butadiene rubber copolymer latex additive which is manufactured for use with cementitious systems like cement render and water proofing. It is used to get high chemicals and abrasion resistance

TYPICAL APPLICATIONS

VYBOND is formulated to get more hardened mortar and concrete in the following applications:

- All concrete structures
- Concrete repair.
- Cement render.
- Floor screeds.
- Excellent adhesion.
- Early hardness.
- Nonbleeding.
- Water reduction.
- High abrasion resistance.
- High chemical resistance.
- Tanks water proofing.
- GRC & GRB works.
- Tiles and marbles adhesive.
- Bonding slurry for old and new concrete

FEATURES

- **The bond strength of :**
 1. Between old and new concrete.
 2. Tile adhesive mortar.
 3. Concrete surface and edges repair mortar.
 4. Cement render itself and with substrate.
- **The water proofing of :**
 1. Concrete tanks.
 2. Cement render of tanks.
 3. Crack reduction as mortar flexibility.
- **The chemical resistance :**
 1. For many alkalis and acids.
 2. For mineral oils.
- **The adhesion to :**
 1. Wood.
 2. Steel.
 3. Concrete.
 4. Bricks.
 5. Stone blocks.

TECHNICAL PROPERTIES

FORM	liquid
APPEARANCE	milky
SPECIFIC GRAVITY	1.01 ± 0.005 kg/l
CHLORIDE	Nil
COMPRESSIVE STRENGTH	35:40 N/mm ²
FLEXURAL STRENGTH	10 N/mm ²
TENSILE STRENGTH	6 N/mm ²
BOND STRENGTH	3.16 N/mm ²
AIR ENTRAINMENT	≤ 1 %
TOXICITY EFFECT TEST	By using Microtox model LX the sample found to have no toxicity effect on drinking water, and suitable for use in drinking water (EC50 > 100)

INSTRUCTION FOR USE

- **Surface Preparation**
 The substrates which is ready to be applied using **VYBOND** should be sound, clean and free from any contaminations that can affect the product quality, also the substrates should be wetted with water before application.
- **Mixing**
 Mix the composites with water and stir for 2:3 min before adding **VYBOND** to get homogenous mix.
 To make bonding slurry of 0.75:1 **VYBOND** to 2 cement, use bush or roller to coat the bonding slurry.
- **Bonding Agent**

MIX TYPE	CEMENT	VYBOND
Slurry	50 Kg	20
Screed	50 Kg	8
Repair	50 Kg	6
Plaster	50 Kg	5
Adhesive	50 Kg	8



CLEAN UP

Clean all tools and application equipment immediately with suitable solvent

PRECUATIONS

- **VYBOND** should not be applied in hot direct sunlight.
- **VYBOND** should not be applied over bleed water.
- **VYBOND** should not be applied in rainy weather.
- **VYBOND** is nonflammable; avoid the direct contact with eye.

TECHNICAL SUPPORT

For any technical support, please consult **VYCON** office or visit our website <http://www.vycon-eg.com>

HEALTH AND SAFETY

Take precautions to avoid inhalation of spray mist and contact with skin and eyes. wear suitable protective clothing gloves, eye protection. if skin comes in contact it should be washed with fresh water and soap. eyes contact should be cautiously washed with fresh water. the product non toxic and non hazardous according to health and safety codes



WARRANTY: **VYCON CONSTRUCTION CHEMICALS** warrants that; (1) its products will perform substantially in accordance with the accompanying written materials for a period 1 year from the date or receipt. (2) The product will be free from defects in materials and workmanship under normal use for 1 year. In case of any product fails to conform to this warranty, **VYCON** will replace the product with no cost to the client. **VYCON** doesn't authorize anyone to make any written statement which may change the installation information or instructions of the product data. The wrong installation of the product which fails to conform to the instructions shall void the warranty.