

VCOBOND AD-1002



VCOBOND

CONSTRUCTION CHEMICALS

DESCRIPTION: -

VCOBOND - AD 1002 is a Carboxylates, styrene butadiene, co-polymer latex emulsion admixture used to fortify the bond and flexural strength of Portland and hydraulic cements. VCOBOND - AD 1002 imparts excellent water resistance and provides improved protection from freeze-thaw and aqueous solutions of alkalis, acids and salts.

FEATURE / ADVANTAGE: -

- Enhances the flexural and tensile strength of the mortar and render
- Provides good resistance to water and moisture vapors transmission
- Improves the chemical and abrasion resistant properties of the mortar
- Can be applied in thin screed without cracking
- Reduces the water/cement ratio
- Easy to use
- Compatible with all types of cements
- Reduces shrinkage
- Good resistance to salt permeation
- Prolonged corrosion protection
- Similar thermal expansion and modulus properties like concrete
- Can be used in potable water applications

PHYSICAL PROPERTIES: -

Color	Milky white emulsion
pH	8.5-10
Density [g/cc]	1.0±0.05
Solid content [%]	40±3
Compressive strength [N/mm ²]	>40
Flexural strength, [N/mm ²]	> 12
Tensile strength, [N/mm ²]	> 6

SUGGESTED USES: -

Use VCOBOND - AD 1002 modified concrete for:

- Floors of dairies, citric juice plants, fertilizer stores, food processing plants and certain chemical plants where the concrete is attacked by aqueous solution of acids, alkalis or salts.
- Bridge decks, parking garage ramps and floors, and structures reinforced with steel that are in or adjacent to salt water. VCOBOND - AD 1002 modified concrete will greatly reduce the penetration of salt water or de-icing chemicals, providing protection of the reinforcing steel against corrosion.

Use VCOBOND - AD 1002 modified mortar for:

- Repairing spelled concrete; provides improved adhesion.
- Leveling of floors; provides a stable structure for lying of the final floor material.
- Stair nosing; provides good abrasion resistance and high flexural strength, protecting against bumps and knocks.
- Lining of potable water pipes, effluent ducts and channels; increases resistance to aqueous solutions of acids, alkalis and salts.

DIRECTION FOR USE: -

Surface preparation: mechanically clean the surface to remove all loose particle, dirt, oil, grease etc. Vacuum clean to remove all loose material

Application: as repair mortar – mix VCOBOND – AD 1002 250 ML with one bag of cement –fine sand mix for use as repair mortar along with 20% water by weight of cement to the workable consistence.

As screed concrete – mix VCOBOND – AD 1002 10-15% by weight of cement to a screed concrete of proportion – 1:1.5:1.5 (cement: sand:6mm aggregates) along with 20% water by weight of cement. Mix the content to a uniform consistency

PACKING SIZE: -

0.5lit, 1lit, 5lit, 10lit & 20lit.

STORAGE & SHELF LIFE: -

6 months if sealed packing and if stored in cool dry place in shaded area.

HEALTH & SAFETY: -

VCOBOND AD-1002 is nontoxic. However, it comes into contact with eyes should be wash immediately with plenty of water & consult a physician.

LEGAL NOTES: -

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