

Acobond A33

Latex additive for enhancing properties of Cement and Mortar

Product description

Acobond A33 is a Styrene Butadiene Latex emulsion used as an additive to enhance the mechanical properties of cement and mortar.

Application

- Bonding slurry for mortar and new or old concrete
- Waterproofing mortar for vertical or horizontal surfaces and masonry mortar
- Repairing mortar for ceilings, walls, columns and floors
- Additive for tiles adhesive and tile grout
- Additive for mortar to protect steel reinforcement.

Feature

- Increases tensile, compressive and flexural strength
- Increases adhesion and slip resistance
- Increases abrasion and impact resistance
- Increases chemical resistance
- Reduces shrinkage and crack growth after drying
- Increases water and moisture resistance
- Not re-emulsify after drying.



Technical specification

Appearance	Liquid
Color	Milky white
Density	1 – 1.02 kg per liter
pH value	8 – 9
Flammability	No
Toxic	No
Expiry date	12 months
Packaging	5 liters or 25 liters per container
Storage	Store in a cool and dry place (from 5°C to 40°C) Avoid prolonged exposure to sunlight Wipe off dust on the lid before opening Do not pour back the dirty leftovers into the container Close the lid tightly when not in use

Safety and health protection

- Keep out of children's reach
- Wear gloves, masks and protective equipment when working
- Avoid contact with skin and eyes:

If contact with eyes: rinse with clean water for at least 10 minutes and seek medical attention promptly

If contact with skin: wash immediately with soap and clean water.

Using instruction

Surface preparation

- Concrete surface must be clean and hard, free from grease, dust, cement mortar, concrete debris and other impurities
- Seal all cracks and joints on the surface before construction.

Mixing

Slowly pour the **Liquid mixture** into the **Dry mixture**; mix well until the appropriate consistency is achieved for application.

Mixing formula:

- **Bonding slurry:**
 - **Liquid mixture:** 1 liter of Acobond A33 mixed with 4 to 5 kg of cement.
 - **Dry mixture:** A little clean sand can be added to create roughness and increase adhesion
- **Mortar mixture for waterproofing and repairing:**
 - **Liquid mixture:** 1 liter of Acobond A33 diluted with 2 or 3 liters of clean water
 - **Dry mixture:** 1 part cement + 3 parts clean sand (sand must be sieved to remove impurities and mud)

Construction

- **Bonding concrete:**

Sweep a layer of bonding slurry with Acobond A33 additive onto the old concrete surface with a brush or broom; then wait for the layer of bonding mortar to start to dry before applying a new concrete layer.

- **Repairing or waterproofing mortar:**

Sweep a layer of bonding slurry with Acobond A33 additive; wait for the layer of bonding mortar to start to dry, apply a layer of mortar with Acobond A33 additive onto the bonding mortar layer, then use a trowel to smooth the surface.

Note

- In case the construction area is too large, it should be divided into small areas for construction
- The previously dried bonding slurry layer must be re-applied
- The surface of the waterproof mortar layer must be maintained when it begins to dry to avoid premature evaporation due to temperature, leading to surface cracking.

For any information related to the product, please contact adchem's sales or the technical department.



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