

Concrete and Mortar Admixtures

AQUALATEX®

Mortar and Screed Admixture with Waterproofing and Bonding Properties

DESCRIPTION

Multi-purpose, liquid synthetic rubber emulsion which increase the adherence and **waterproofing** properties of cement based mortars.

APPLICATION AREAS

- Concrete repairs,
- Plasters,
- Coverings resistant to abrasion,
- Increase adherence between old and new concrete,
- Ceramic adhesive mortars,
- Places that require waterproofing,
- To prevent reinforcement corrosion,
- Sheet iron, zinc and PVC eaves, chimney flashings for waterproofing.

TECHNICAL PROPERTIES

| | |
|-----------------------------|----------------------|
| Appearance | White colored liquid |
| Liquid Density | ~ 1.01 kg/L (20°C) |
| pH | 7 - 9 (20°C) |
| Waiting Time Between Layers | 4 - 5 hours |
| Flexibility | Very good |

ADVANTAGES

- Provides high performance waterproofing. Protects the reinforcement against corrosion.
- Generates an elastic covering on wide surfaces and increases the adherence strength of mortar, plaster and screed, does not shrink and crack. Provides high adherence, reduces shrinkage.
- Water vapor permeable, allows the surface to breathe.
- Resistant to many chemicals and mineral oils.
- Adheres perfectly.
- Non-toxic.
- More economical than epoxy or polyester resin mortars and reduces labour costs.
- Not effected by cold or hot weather or sunlight.
- Ready to use, can be diluted with water.

CONSUMPTION

Volume ratios are given below:

| | |
|---------------------------|---|
| Waterproofing | Aqualatex/Water: 1/3 - 1/4 Cement/Sand : 1/3 |
| Concrete Repairs | Aqualatex/Water: 1/2 - 1/3 Cement/Sand : 1/2 - 1/3 |
| Floor Screeds | Aqualatex/Water: 1/3 - 1/4 Cement/Sand : 1/3 |
| Outdoor Plasters | Aqualatex/Water: 1/3 - 1/4 Cement/Sand : 1/3 |
| Bridge and Bonding Primer | Aqualatex/Water: 1/1 Cement/Sand : 1/1 |

APPLICATION

PREPARATION OF THE SURFACE

The surface must be clear of materials which prevent bonding, such as dust, oil, tar, bitumen, paint, silicone, curing agents, detergents and mold release oils.

PREPARATION OF THE MORTAR

- Dry mix sand and cement in ratios given in the consumption table.
- Mix water and AQUALATEX in an clean container in ratios given in the consumption table.
- Add dry mixture into the liquid mixture and mix with a low speed mixer until there are no lumps.
- Do not add extra water or AQUALATEX into the mixture.

APPLICATION

- Apply AQUALATEX either by adding into the mortar water in ratios given in the consumption table or spreading on the surface.
- AQUALATEX is developed for use with portland cement (CEM I). It is also compatible with cement containing alumina and cement resistant to sulphate. Avoid using large amounts of lime and air-entraining additives with AQUALATEX.
- When used in increasing adherence of old and new concrete, spread AQUALATEX and cement mixture on the surface with a brush.
- Apply plaster or screed before AQUALATEX and cement mixture is completely dry.

CAUTION

- Avoid application in temperatures below +2°C. Avoid temperatures fall under +4°C until it is totally set.
- Use fresh cement with quality and washed aggregate in uniform particle size, prefer cement that sets quickly in cold weather conditions.
- Do not add more water than necessary and keep mixing time to a minimum.
- Avoid application in areas that are frozen, at risk of freezing within 24 hours, or in areas open to direct sun and wind.
- When AQUALATEX is used as an adhesive layer, make a grout with only sand or cement. Do not use directly or diluted.

PACKAGING

6 kg, 20 kg and 30 kg plastic jerry cans and 180 kg barrels

SHELF LIFE

Expires in 12 months. Store unopened packages. Shake well before use. Protect against frost.

HEALTH AND SAFETY

As with all chemical products, avoid contact with food products, skin, eyes and mouth during use and storage. During the application, use work clothes, protective gloves and glasses in accordance with the occupational and worker health rules. Consult a doctor if accidentally swallowed. In case of contact with skin, rinse with water. Do not leave the cover open. Avoid prolonged contact with uncured silicone. Store out of the reach of children.

The application instructions and technical values given for the products have been obtained in accordance with our tests and experiences in accordance with international standards at 23±2°C temperature and 50±5% relative humidity conditions. These values may vary depending on ambient conditions. High temperatures shorten the times, low temperatures lengthen them. Before starting the application, the user should test whether the product is suitable for the application and purpose. FIXA Yapı Chemicals San. Trade Ltd. Sti. is not responsible. This Technical Data Sheet remains valid until the next revision is published. FIXA reserves the right to change the values specified in this Technical Data Sheet, provided that the new version is published. It is the user's responsibility to check that the document is up-to-date. Please contact our sales department for more information.