

Uses:

- AB FLEXIBOND W provides a seamless, waterproof coating suitable for use in water tanks, reservoirs, swimming pools, roofs and to ensure water tightness.
- AB FLEXIBOND W effectively protects against concrete decay providing a long lasting barrier to waterborne corrosive salts and atmospheric gases.
- AB FLEXIBOND W is designed to re-face and even out variations in concrete and masonry surfaces. AB FLEXIBOND W effectively seals concrete masonry walls and bridges the shrinkage cracks which are static.
- AB FLEXIBOND W provides a tough and durable coating which cannot be easily damaged or worn away

Advantages:

- Minimum surface preparation needed - Low labor costs.
- Applied directly to the damp concrete and masonry
- Excellent adhesion - Bonds to porous and nonporous surfaces.
- Non-toxic-ideal for potable water tanks
- Waterproof - Excellent for damp-proofing basements
- Breathable-allows transmission of water vapor from interior of building
- Excellent for concrete roof, leaking brick and masonry walls
- Good resistance to Carbon dioxide and Chloride ion diffusion

Description: AB FLEXIBOND W is a two component acrylic polymer modified elastomeric waterproofing membrane which consists of AB FLEXIBOND W powder and FLEXIBOND BB liquid acrylic emulsion. It requires only clean fresh water on site mix when mixed in the proper proportions; an easily brush able coating is produced.

AB FLEXIBOND W can simply be applied by a stiff brush, or trowel to obtain the desired thickness.

AB FLEXIBOND W powder consists of specially selected cements, graded hard-wearing aggregates and additives supplied in powder and AB FLEXIBOND W liquid component of blended acrylic copolymers. The polymer provides AB FLEXIBOND W with exceptional adhesion, toughness and durability.

Properties:

- Pot life At 200C: 1 hour At 350C: 20 min.
- Mixed Density: 1.90kg/liter (brush able Consistency)
- Tensile strength: 2 N/mm² (at 1.5mm Thickness)
- Colors: Grey and white
- Application temperature: Not less than 100C
- Toxicity: Non-toxic
- Adhesion to concrete : >1N/mm²

AB FLEXIBOND W provides an elastomeric protective waterproof coating and is shown to resist positive hydrostatic pressure upto 7 meter head. The degree of resistance of AB FLEXIBOND W to water under pressure depends on the coating thickness.

Areas subjected to moderate and heavy loads/hydrostatic pressure. Minimum 2mm thickness coating is recommended with screed above.

Application Instructions:

Preparation: All the surfaces which are to receive AB FLEXIBOND W must be free from oil, grease, wax, dirt or any other form of foreign matter which might affect adhesion. Spalled and deeply disintegrated concrete should be removed to sound concrete and repaired with Recon System.

Mixing: AB FLEXIBOND W is poured into a plastic or metal drum into this liquid compound is added, for brush Application consistency. Then mixing is started with a slow speed drill (350-450 rpm). The powder component is added gradually to the liquid avoiding lump formation and mixed for 2-4 minutes. Mix and use, more material should not be mixed than can be used within pot life. Retempering with water should not be done. Keep on stirring during application.

	Indl.pack	Small pack
AB FLEXIBOND W Powder	12 kg	3 kg
AB FLEXIBOND BB Liquid	5 L	1.25 L

Application: For best results moisten the surface before coating with AB FLEXIBOND W. Apply the mixed material using a short, stiff bristle brush preferably 100 to 150mm width like paint. Trowel thickness. The second coat of AB FLEXIBOND W shall apply as soon as the first coat has reached touch dry state.

On hot substrates, i.e., over 400C surface temperature, a primer coat of mixed AB FLEXIBOND W and water with slurry like consistency should be applied. Prime only areas that can be coated with AB FLEXIBOND W before the primer dries Material should not be applied at temperatures below 100C. It is recommended that for general re-surfacing the total thickness of the applied material be 1 to 2 mm. Areas subjected to moderate and heavy loads/hydrostatic pressure, minimum 2mm thickness coating is recommended with screed above. Allow the AB FLEXIBOND W to dry before covering with screed. Sprinkle coarse sand on wet surface of final coat for better adhesion of screed. Average drying time is 4 to 6 hours at normal temperatures.

Subsequent Finishes: AB FLEXIBOND W provides an aesthetically pleasing surface finish texture depending on the method of application, and does not normally require any further surface finishes. AB FLEXIBOND W is however compatible with most forms of subsequent coatings.

Cleaning: AB FLEXIBOND W should be removed from tools and equipment immediately after use with clean water. Hardened material can be removed mechanically.

Estimating:

Packaging: AB FLEXIBOND W powder is supplied as a package of 12kg bag (Industrial Pack) and 3 kg bag powder. flexibond BB is supplied in 5 liters and 1.25 liter jerry can.

Coverage: This depends on the required consistency. The approximate coverage per pack at even consistency (1 mm thickness) is as follows:

Consistency Brush Application

Coverage (12 kg + 4 lit pack): 8 – 9 m²

Coverage (6kg + 2lit pack): 4 - 4.5 m²

Allowances should be made for any possible wastage when estimating.

Storage: AB FLEXIBOND W has a shelf life of 6 months in unopened packs, if kept in a dry store. In high humidity locations, the shelf life may be reduced to less than 6 months. Prevent AB FLEXIBOND W from freezing.

Precautions:

Health and Safety instructions: AB FLEXIBOND W is non-toxic but it is alkaline in nature. Gloves and goggles should be worn. Any splashes to the skin or eyes should be washed off with clean water. In the event of prolonged irritation, medical advice should be sought. Should use a dust mask while handling the powder

Fire: AB FLEXIBOND W components are non-flammable.