

ISONEM[®] M 35 - 2K



Cement + Acrylic Based Elastic Waterproof Coating For Internal And External Use

ISONEM M 35 - 2K is a blend of cements, aggregate and acrylic polymer modifying agents. When mixed to a slurry consistency with the emulsion ISONEM M 35 - 2K Liquid, it can be easily applied by brush or spray equipment. It cures to give an elastomeric flexible waterproofing membrane.

USES: •Suitable for internal and external use, against positive and negative water pressure. •Water storages, •Swimming pools, •To protect concrete from water, carbonation and deicing salts. •For waterproofing water-retaining structures which may be subject to movement. •Basement waterproofing system, in areas sensitive to movement, vibrations and slight settlement. •Suitable for use in wet area waterproofing where tiles are to be installed using a proprietary tile adhesive.

PROPERTIES: •High durability •Resistant to positive and negative pressure •Water vapour permeable •High adherence property and works with the adhered surface. •Resistant to occasional foot traffic •Easily prepared and applied. High working period. •Applied on horizontal and vertical surfaces •Freeze-thaw resistant. •Quick and easy brush or spray application •Solvent free

TECHNICAL PROPERTIES: •Positive pressure resistance: 1.5 bar •Negative pressure: 1.0 bar •Water Absorption (ASTM 6420): %1.5 •Water vapour permeability, μ :985 •Elongation at break (28 days): %25 •Tensile strength (28 days): 0.64 N/mm² •Adhesive strength (28 days): 1.0 N/mm² •Wet density: 1,65 kg/lt •Pot Life: 60 minutes •Drying Time: 4 hours

APPLICATION:

SUBSTRATE PREPARATION: The surface to be coated must be clean and sound. Remove all foreign matters and other contaminants that may affect the bond adversely. Repair cracks or breaks with ISONEM M 03 Elastic Repairing Mortar.

MIXING: ISONEM M 35 - 2K should be power mixed only, using slow-speed drill (400 - 600 rpm). Blend 20 kilograms of powder into 10.0 litres of liquid. Mix 2- 3 minutes to a lump-free homogeneous consistency. Allow the mix to saturate for 5 minutes. Remix and start to application.

APPLICATION METHOD: Do not apply ISONEM M 35 -2K to frozen substrates or if the ambient temperature is below 5°C or expected to fall below 5°C within 24 hours. Avoid application in direct sunlight. Always apply the mix to a predampened surface. High suction substrates require more dampening than dense substrates. However, make sure there is no free-standing water. Mixed material must be used within 60 minutes, or less under hot weather conditions. Brush or spray the mix onto the predampened, prepared surface, brushing well into the surface. Strike off with the brush or in one direction for a neat appearance. Spray through a 3-4mm nozzle at a pressure of 3.6 - 5.0 bar (50-70lb/in²). If the brush begins to drag during application, do not add more liquid but dampen the surface again. Allow to cure at least 4 hours at 20°C before applying subsequent coats and longer at lower temperatures. Low temperatures and high humidity will delay setting and curing. Brush or spray the mix onto the surface in a similar thickness finishing in one direction, preferably at 90° to the previous layer to ensure good coverage.

NOTES: If there is condensation on the first coat, this must be removed with a sponge. Condensation may occur after waterproofing basement areas. It could last for a considerable period in poorly ventilated areas and is most likely to form in areas, which were previously damp. The formation of condensation can be alleviated, by increasing the ventilation.

CONSUMPTION: 2 - 3 kg/m² (1 - 2 mm thickness)

PACKAGING: •ISONEM M 35 - 2K Powder Component: 20 kg craft bags (A component) •ISONEM M 35 - 2K Liquid Component: 10 kg plastic packs. (B component)

STORAGE CONDITIONS/SHELF LIFE: 12 months from date of production if stored properly in unopened and undamaged original sealed containers at temperatures between +5°C to +35°C at dry conditions. Protect from excessive temperature and frost.

HEALTH AND SAFETY INFORMATION: For information and advice on the safe handling, storage and disposal of chemical products, users shall refer to the most recent Material Safety Data Sheet containing physical, ecological, toxicological and other safety-related data.

