ADCO CEMKOTE 521W
Cementitious waterproofing coating with crack bridging properties

DESCRIPTION
ADCO Cemkote 521W is a two-component cementitious-based waterproofing compound. The product is supplied as a dry powder plus liquid component kit to be mixed on site prior to application in two coats onto the water surface of the structural member to receive waterproofing.

ADCO Cemkote 521W is applied by brush or block brush onto a damp, prepared (see ‘Surface Preparation and Application’ below) surface of concrete, masonry, screed, etc. The chemistry of reaction and crystallization from cement hydration results in ADCO Cemkote 521W forming a monolithic bond to the substrate and hence becoming an integral part of the member. Being cementicious-based, the product is UV stable and thus finds a wide range of applications. ADCO Cemkote 521W is suitable for water-proofing water retaining structures containing potable water. The product is designed for application where complete or partial water submersion takes place after it has cured.

SURFACE PREPARATION AND APPLICATION
Ensure the surface to be structurally sound and free of laitance, contamination as well as loose or friable material. Wire brushing, scabbling, acid etching, etc if necessary are used to clean and prepare the surface. Movement joints need to be sealed with a flexible sealing system such as polyurethane (see ADCOseal 412) – repair to imperfections can be carried out using ADCO Plastrep 321. Once preparation is complete, the surface is thoroughly dampened / saturated with clean water. After removing any ponding water, apply ADCO Cemkote 521W mixed to a lump-free paintable slurry consistency in a two-coat procedure with the second coat at right angles to the first. Dampen the surface of the first coat before applying the second coat. Do not water-cure the product on completion.

ADCO Cemkote 521W can be applied onto green concrete-, masonry-, screed-, etc surfaces as highly efficient curing medium in addition to its protective and waterproofing properties. When applying the product over cracks or movement joints (previously sealed), ADCO Membrane 596 (polypropylene) is incorporated into the two-coat system for added stability. Mixed ADCO Cemkote 521W, within its working time, should be stirred up regularly to prevent segregation. However, do not re-agitate once setting has commenced – discard the product.

PROPERTIES
Mixing Ratio Use as supplied, do not split kits
Colour standard colour grey, range of colours available on request
Working time 20 – 30 minutes @ 25°C
Setting time to final set 6 – 8 hours
Shelf Life Minimum 6 months if stored dry and off concrete floors under standard conditions
Application Temp +5 to +35°C
Pack Size 20 kg powder plus 8.5 L liquid component
Toxicity Non-toxic
Coverage 12 – 18 m² per two coats depending on surface texture and porosity

SAFETY
ADCO Cemkote 521W is not considered dangerous nor toxic; however standard industrial precautions apply such as protective clothing, gloves and eye goggles. Cementicious-based products are alkaline and hence may cause irritation to the skin and eyes. Remember : Keep out of reach of children, handle responsibly and consider the environment.

UPDATE
May 2017.
This supercedes all previous documentation.