**ADCO CEMKOTE 521S**  
Cementitious coating with sealing,  
curing and waterproofing properties

DESCRiPTION  
ADCO Cemkote 521S is a two-component cementitious-based coating system. The product is supplied as a dry powder plus liquid component kit to be mixed on site prior to application in two coats onto sound concrete or masonry surfaces to yield a protective surface dressing with waterproofing and sealing / curing properties.

ADCO Cemkote 521S is applied by brush or block brush onto a damp, prepared (see ‘Surface Preparation and Application’ below) surface of concrete or masonry. The chemistry of reaction and crystallization from cement hydration results in ADCO Cemkote 521S forming a monolithic bond to the substrate and hence becoming an integral part of the member. Being cementitious-based, the product is UV stable and thus finds a wide range of applications as a textured surface dressing.

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. ADCO Cemkote 521S should not be applied over movement joints. Once preparation is complete, the surface is thoroughly dampened / saturated with clean water. After removing any ponding water, apply ADCO Cemkote 521S mixed to a lump-free paintable slurry consistency in a two-coat procedure with the second coat at right angles to the first.  

Do not water-cure the product on completion.  
ADCO Cemkote 521S can be applied onto green concrete or masonry surfaces as highly efficient curing medium in addition to its protective and sealing properties. Mixed ADCO Cemkote 521S, 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 or add additional water  
Colour: standard colour cement-grey, a range of colours available on request  
Texture: the product renders a textured finish, on request such texture can be adjusted finer or coarser  
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°C to +35°C  
Pack Size: 20 kg powder plus 10 L liquid component  
Toxicity: non-toxic  
Coverage: 12 – 18 m² per two coats depending on surface texture and porosity

SAFETY  
ADCO Cemkote 521S is not considered dangerous nor toxic; however standard industrial precautions apply such as protective clothing, gloves and eye goggles. Cementitious-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.