ADCO Colcem 342

Cementicious-based decorative paint with waterproofing properties

DESCRIPTION

ADCO Colcem 342 is a two-component cementicious-based paint, supplied as a dry powder plus liquid component kit to be mixed on site prior to application onto prepared substrates. The product is applied by brush, block brush or spray onto damp, prepared (see ‘Surface Preparation and Application’ below) surfaces of concrete, masonry, etc. The chemistry of reaction and crystallization from cement hydration results in ADCO Colcem 342 forming a monolithic bond to the substrate and hence becoming an integral part of the surface. Being cementicious-based, the product is UV-stable and thus finds a wide range of applications. ADCO Colcem 342 is specified for both interior as well as exterior surfaces as a durable decorative finish where the texture can be varied depending on application techniques. The product is available in a wide range of colours.

Please note that although ADCO Colcem 342 can be applied to previously painted surfaces, such as PVA, we recommend consulting with the technical division of ADCO Construction- and Mining Chemicals for project orientated advice as some painted substrates might require specific treatment.

SURFACE PREPARATION AND APPLICATION

Ensure the surface to be sound and free of laitance, contamination as well as loose or friable material – repair to imperfections can be carried out using ADCO Plastrep 321. Wire brushing, scabbling, acid etching, etc if necessary are used to clean and prepare the surface. A priming treatment may be required where existing surface finishes cannot be removed and have to be over-coated with ADCO Colcem 342. Once preparation is complete, the surface is thoroughly dampened with clean water; remove any excess water.

Mix supplied kit to a lump-free paintable consistency using a slow-speed mechanical drill with mixing attachment. The rotational speed of the mixer must be controlled to avoid entrainment of air during the process. Apply ADCO Colcem 342, maintaining a wet edge of paint to avoid dry joints.

ADCO Colcem 342 can be applied onto green concrete, masonry, plaster, etc surfaces as highly efficient curing medium in addition to its protective, decorative and waterproofing properties.

Mixed ADCO Colcem 342, within its working time, should be stirred up regularly to prevent segregation. However, do not re-agitate once setting has commenced – discard the product. Do not water-cure the product on completion.

PROPERTIES

Mixing ratio use as supplied, do not split kits
Colour range of colours available, colour matching 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 Temperature +5 to +35°C
Pack Size 20 kg powder plus 8.5 litre liquid component
Toxicity non-toxic
Coverage 10 – 18m² per kit, depending on surface characteristics

SAFETY

ADCO Colcem 342 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.

UPDATE

May 2017.
This supercedes all previous documentation.