

# ADCO FLOORART 151D

Coloured shake-on cementitious powder, different colours

ADCO  
Construction-  
and Mining  
Chemicals

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## DESCRIPTION

ADCO FloorArt 151D is a non-metallic cementitious-based dry powder incorporating graded quartz aggregate as well as selected chemical additives to produce dense, hard wearing and high abrasion resistant concrete surfaces in the form of a monolithic flooring system available in a range of colours.

## USES, ADVANTAGES

ADCO FloorArt 151D is specified for industrial as well as domestic floors that require superior properties in terms of surface density, durability, impact and wear resistance. ADCO FloorArt 151D is applied by two different methods :

- Dry shake-on method.
- Trowelled overlay (ADCO FloorArt 152).

## PACKAGING, YIELD

ADCO FloorArt 151D is supplied in 20 kg paper bags.

### Dry shake-on method

Application	kg per m <sup>2</sup>
Minimum dosage for colour effect	5 – 7
Heavy Duty	8 – 10

### Trowelled overlay system

± 10.5 litres yield per 20 kg bag

## GUIDELINES TO APPLICATION

The base concrete is designed to a characteristic strength at 28 days of 25 – 30 MPa with a workability measured as a 60 – 70 mm slump. Place concrete, consolidate and strike to level followed by wood floating. Ensure any bleeding water is removed, then allow concrete to stiffen until the surface can support a workman leaving footprints no greater than 3 – 4 mm.

Without delay, apply ADCO FloorArt 151D powder at the required dosage. Wait for moisture from the base concrete to penetrate the powder (evident by a uniform darkening), then wood-float again working the powder into the surface. The surface is ready to be steel or power floated when the surface sheen disappears.

Do not add water during the finishing process – a finishing aid in the form of ADCO Nambond 233 sprinkled on by block brush may be considered if the floor exhibits 'tearing' during steel or power floating.

At higher doses, the application of the dry powder should be split, allowing moisture from base concrete to penetrate the powder layer, followed by wood floating procedure before applying the next dosage.

Ensure efficient curing of the surface using clean water. After 7 days curing, allow the surface to dry and apply ADCOseal 252 at coverage of 6 – 8 m<sup>2</sup>/L in one or two coats depending on surface properties and required colour effect. As soon as practically possible, taking into consideration ambient conditions, joints are saw-cut by diamond blade to a depth 25% of slab thickness.

## QUALITY ASSURANCE

Our manufacturing and testing procedures comply with relevant standards.

## SAFETY

ADCO FloorArt 151D is not considered toxic or dangerous, however, the use of standard industrial precautions such as protective clothing, gloves and eye goggles is recommended. 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.

## TECHNICAL SUPPORT

Detailed method statements for various applications are available on request.

Site training can be arranged.

Specification literature : ACI 201.2R Guide to durable concrete, SABS 0109-2:1992 Cement-based finishes.

## UPDATE

May 2017.

This supercedes all previous documentation.