

ANDCOAT SAFETY EPOXY



PRODUCT DESCRIPTION

Andcoat Safety Epoxy is a solvent free, high build epoxy resin floor and wall coating developed to provide protective and decorative properties to concrete, steel and other substrates. Safety Epoxy is an easily applied chemical and abrasion resistant coating giving a coloured gloss finish.

CURING SCHEDULE (@ 20°)

Pot Life: 20 Minutes

Pedestrian Traffic: 16 Hours

Light Wheeled Traffic: 24 Hours

Full Traffic: 7 Days

Full Cure: 7 Days

TECHNICAL DATA (AFTER 28 DAYS @ 20°)

Shore D hardness: 82

Bond Strength: > 1.50N/mm² (Concrete Failure)

Abrasion Resistance: 40mg (CS10/1000/1000)

Slip Resistance Pendulum Test to BS 7976-2 :

Dry>55 For Wet and Anti Slip speak to a member of Andrews Coatings.

VOC: <100g/l Based on a fully mixed uni

Chemical Resistance: Excellent general chemical resistance.

PRIMING

A two coat application generally does not require a primer however on exceptionally weak or porous substrates EpoPrime should be applied at a coverage rate of 0.25kg per m² and be allowed to cure for a minimum of 12 hours and a maximum of 36 hours prior to the application of the coating system.

COLOURS

Available in 12 standard colours, can be made to RAL and BS colours upon request. Please speak to Andrews Coatings staff members for more info.

SURFACE PREPARATION

To be assured of maximum adhesion and properties from Andcoat resin products the correct surface preparation is essential. The concrete substrate must be a minimum of 28 days old and the residual moisture content must be a maximum of 75% RH.

The substrate should be sound with a minimum compression strength of 25 N/mm² and a minimum pull-off strength of 1.5 N/mm². The surface must be clean, dry and free of contaminants such as dirt, oil, grease, coatings and surface treatments. If in doubt, apply a test area first. Concrete substrates should be mechanically prepared using vacuum enclosed abrasive blast cleaning or diamond grinding equipment to remove laitance and previous surface treatments leaving an open textured surface. Weak concrete must be removed and repaired using recommended Andcoat products

MIXING

Pour the contents of the part B container into the part A container and thoroughly mix using a slow speed mixing drill for a minimum of five minutes until the material forms a uniform colour and consistency.

Never mix by hand.

TYPICAL AREAS OF USAGE

Chemical Bunds

Electronics Assembly

Factories

Food Processing

Warehousing

Workshops

ANDCOAT SAFETY EPOXY CONTINUED



ADVANTAGES

Fast Application.
Solvent Free
Hygienic and easy to clean
Excellent adhesion to concrete
Seamless Floor Finish
Very Good chemical Resistance

GENERAL GUIDANCE

This Data Sheet is for general guidance purposes only and may contain information that is inappropriate for certain conditions of use. Accordingly, all recommendations and suggestions are made without guarantee. Specific installation advice can be provided upon request. Please consult our Sales Department to confirm that this Data Sheet is the current issue.

LIMITATIONS

Product should be protected from other trades using Kraft paper or similar breathable material. Polythene should not be used.
Protect the installed floor from damp, condensation and water for at least twenty-four hours at 20°C.
Ensure that the ambient temperature remains above 10°C for at least twenty-four hours after installation.
Yellowing will occur under UV exposure.
The substrate and uncured floor must be kept at at least 3°C above the dew point to reduce the risk of condensation or blooming on the surface.
If the works area requires heating, before and during application and until full cure of the material system is attained do not use paraffin, oil, gas or fossil fuel heaters as they produce water vapour and carbon dioxide which adversely affects the floor finish. Use only electric powered or indirect warm air systems.

COVERAGE

Approximately 4m² per KG depending on surface profile.

APPLICATION

Apply by brush and short/medium piled roller at a nominal rate of 0.25kg/m². After a minimum of 16 hours and before a maximum of 48 hours, apply a second coat at the same coverage rate and a minimum of 6 hours and no later than 24 hours after the first coat has cured for Andcoat Safety Epoxy. The first coat must not be contaminated prior to applying the second coat.

Should a heavy non-slip finish be required, a suitable aggregate should be scattered onto the first coat of the Andcoat Safety Epoxy whilst still wet. The following day, any excess aggregate should be swept from the surface using a clean brush prior to application of the second coat. A further coat may be required to obtain an even finish. The ambient temperature of the works area should be a minimum of 15°C during the application and curing period, if not adhered to this can affect the colour and appearance of the system. Materials and substrate temperature must be above 10°C.

HEALTH & SAFETY

Avoid contact of the material with skin and eyes. Wear appropriate gloves, overalls and eye protection during use. Please refer to material safety sheet for additional information. For specific advice regarding any aspect of this product, please consult our technical section.

Contact info:

INFO@ANDREWSCOATINGS.CO.UK
01902 710057

If you need any further information please feel free to contact a member of our technical team where we will be happy to assist.