



ANDCOAT HB

Product Description

AndCoat HB is a solvent free, high build epoxy resin floor coating developed to provide protective and decorative properties to concrete and other substrates. ANDCOAT HB is an easily applied, chemical and abrasion resistant coating giving a coloured gloss finish. AndCoat HB is also available in a fast cure version (ANDCOAT HB FC) and ANDCOAT HB SR slip resistant version, retaining all the benefits of the standard product but incorporating fine aggregates within the coating system to give a lightly textured finish to the cured product.

Available Colours

ANDCOAT HB is available in a range of standard colours, other RAL and British Standard colours may be available upon request (subject to minimum order). As with other epoxy products light colours exposed to UV light will be prone to cosmetic yellowing of the surface.

Product Advantages

- Fast application
- Solvent free
- Hygienic + easy to clean
- Good chemical resistance
- Excellent adhesion to concrete
- Seamless floor finish

Typical Areas of Usage

- Industrial + warehouse
- Food processing
- Car park decking
- Manufacturing
- Commercial spaces
- Workshops

Curing Schedule at 20°C

	ANDCOAT HB	ANDCOAT HB FC
Pot Life	20 minutes	15 minutes
Pedestrian Traffic	12 hours	8 hours
Light Wheeled Traffic	24 hours	16 hours
Full Traffic	48 hours	24 hours
Full Cure	7 days	5 days

Technical data after 28 Days at 20°C

Compressive Strength	N/A
Shore D Hardness	82
Bond Strength	> 3 N/mm ² (Concrete)
Abrasion Resistance	Failure) AR 0.5
Slip Resistance Pendulum Test to BS7976-2	Dry > 50 HB > 60 HB SR Wet and An Slip finish. Consult our Technical Department
VOC	HB and HBSR < 152g/l HBFC < 128g/l Based on a fully mixed unit
Chemical Resistance	Excellent general chemical resistance. For specific reagents contact our Technical Department

Surface Preparation

To be assured of maximum adhesion and best properties from our's 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 compressive strength of 25 N/mm and a minimum pull-off strength of 1.5 N/mm. The surface must be clean, dry and free of contaminants such as dirt, oil, grease, coatings and surface treatments and contain a functioning damp proof membrane. 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 followed by thorough vacuuming leaving an open textured surface. Weak concrete must be removed and repaired using recommended our products.

Priming

A two coat application generally does not require a primer however on weak or porous substrates AndPrime should be applied, to help prevent pin holing, at a coverage rate of 0.25 Kg/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. Where moisture contents of above 75% RH are encountered AndCoat DPM may be used. Please see technical data sheet



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Mixing

This product is supplied ready for use. No additions should be made. Pour all of the contents of the part B container into the part A container and thoroughly mix using a slow speed mixing drill and paddle, avoiding air entrainment. Mix for a minimum of 5 minutes until the material forms a uniform colour and consistency. Scrape down the sides after 2 minutes to ensure that all materials are fully incorporated. Never mix by hand. Do not split packs.

Application

Apply by brush, short piled roller at a nominal rate of 0.25Kg/m². After a minimum of 16 hours and before a maximum 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 HB FC. The first coat must not be contaminated prior to applying the second coat. Should a heavy non-slip finish be required, a suitable dry aggregate should be scattered onto the first coat of the AndCoat HB whilst still wet. The following day, any excess aggregate should be removed from the surface using a vacuum or clean brush prior to application of the second coat.

Note: reduced rates of coverage will be experienced for the second coat, depending on aggregate chosen and a further coat may be required to obtain an even finish. The ambient temperature of the substrate and works area should be minimum of 15°C during the application and curing period. If not adhered to this can adversely affect the cure, colour and appearance of the system. Materials and substrate must be above 10°C.

Packaging

AndCoat HB is supplied in 5kg, 10kg, 15kg and 25kg units

Coverage Rate

Approximately 3-5m² per kg on a sealed surface. Coverage is dependant on surface profile, texture, porosity and substrate temperature.

Storage

Store in dry conditions at temperatures between 10°C and 25°C. Do not expose to freezing conditions. AndCoat HB has a maximum of twelve months shelf life when stored in the original, unopened containers.

General Guidance

This Data Sheet is for general guidance purposes only and may contain information that is not appropriate 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.

Important information

The applied 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 48 hours at 20°C.
- ☐ All epoxy resin based products are adversely affected by exposure to UV light and will be prone to cosmetic yellowing of the surface. This does not affect its performance or function
- ☐ The substrate and uncured floor must be kept at least 3°C above the dew point to reduce the risk of condensation or blooming on the surface. Ensure that the ambient temperature remains above 15°C for at least 7 days after installation.
- ☐ 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.
- ☐ Under no circumstances must the mixed material be left in an enclosed container as this will result in a build up of heat and the possible release of vapours. The mixed material must not be left unattended at any point until fully cured.
- ☐ AndCoat HB is produced by a batch manufacturing process, despite controlled manufacturing procedures and tolerances, variations in colour can occur between different batches. Products from different batches should not be used in the same area or on surfaces close together.

Cleaning Equipment

Clean all equipment immediately after use with Xylene.



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CE	17	DOP 170004
EN 13813 SR-B 2.0 Synthetic resin screed material for internal use in buildings		
Bond strength	> B2.0	
Chemical resistance	NPD	
Electrical resistance	NPD	
Impact resistance	IR 10	
Reaction to fire	NPD	
Release of corrosive substances	NPD	
Sound absorption	NPD	
Sound insulation	NPD	
Thermal resistance	NPD	
Water permeability	NPD	
Wear resistance	AR0.5	

Health & Safety

This product is manufactured from materials intended to achieve high levels of performance as safely as possible. Specific components require careful handling and suitable safety equipment, this information is given in the product safety data sheets. In all cases, spillages or skin contamination should be cleaned as soon as possible, by dry wiping of the affected area, and thorough washing with soap and water. For further information please consult our Technical department.

General Notes

This product data sheet should be read in conjunction with the relevant Safety Data Sheet and the Terms and Conditions of Sale. The information given in this data sheet is based on tests and experience and is believed to be reliable. The information and any samples provided are to assist purchasers to determine for themselves the suitability of the product for their particular application. Samples are provided to indicate colour and typical finish, however they are produced under laboratory conditions onto flat,

prepared and primed surfaces, the finish achieved on site may differ due to substrate, site conditions and application techniques.

Any specification or advice provided by the company, its representatives or agents, is based on the information supplied by the purchaser. The company cannot be held accountable for errors or omissions as a result of that information being incorrect or incomplete. Nor can the company be accountable for composite systems howsoever they are put together, and independent advice should be sought. Some materials used in this product may be derived from natural sources. As such some variation may occur.

Variations in substrate and prevailing site conditions may also contribute to variation in finish and colour.

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