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Hycote EA9WB-XB

ThistleBond 'Hycote EA9WB-XB' is a high performance fast curing, self priming, low gloss coating system for use on most floor surfaces.

ThistleBond 'Hycote EA9WB-XB' is based on a water dispersed epoxy resin blended with a specially formulated water dispersable adduct which react together to give excellent adhesion to most mineral and previously coated surfaces.

The special resin matrix of **ThistleBond 'Hycote EA9WB-XB'** is combined with a blend of inorganic pigments and abrasion resistant fillers which produce a durable floor protection system.

Before proceeding, please read the following information carefully to ensure that the correct application procedure is fully understood.

SURFACE PREPARATION

Concrete

Surfaces must be clean, dry and free from oil and grease. All laitence must be removed by mechanical abrasion or light abrasive blasting.

All dust and loose material must be removed.

Existing Coatings

The surface should first be degreased using an approved solvent or detergent solution, then mechanically abraded. All loose flaking material and abrasive dust must be removed.

Tiles

Surfaces must be free from dirt, oil, grease and other contamination. For wet service conditions, the surface of the tile must be mechanically abraded or lightly abrasive blasted.

NOTE: All floors operating in wet service conditions should always be mechanically abraded or lightly abrasive blasted.

MIXING

ThistleBond 'Hycote EA9 WB-XB' is a two component material which must be mixed together prior to use.

The resin component should be thoroughly stirred to incorporate any slight separation, whilst continuing stirring the contents of the hardener container should be added. Continue stirring until a homogeneous mix is obtained.

APPLICATION

Application should not be carried out when air and surface temperatures are below 10°C nor when the relative humidity exceeds 70%.

Brush: Brush application should be carried out using even brush strokes. **ThistleBond 'Hycote EA9 WB-XB'** should not be over brushed, which may lead to lower than specified coating thickness.

Roller: **ThistleBond 'Hycote EA9 WB-XB'** should be spread evenly over the surface to give a film thickness of 100 microns (4 mil) wet. Periodic thickness checks should be made to ensure the correct uniform thickness is achieved.

Note: This product does not exhibit any visible end point on expiry of the stated usable life. The product will appear usable long after the quoted usable life. It is essential that the product is used within 2 hours of mixing, otherwise the properties of the film may be impaired.

All equipment must be cleaned IMMEDIATELY after use with clean water, stubborn deposits can be removed by **ThistleBond 'Cleaner'**.

Theoretical Coverage Rate10 m² / litre at 50 microns dft (107 ft² / litre at 2 mils dft)**Recommended Film Thickness**

Wet 100 microns (4 mils)

Dry 50 microns (2 mils)

PHYSICAL CONSTANTS**Mixing Ratio** 5 parts resin to 1 part hardener by volume.

Appearance	Resin	Coloured Liquid
	Hardener	Opaque Straw Coloured Liquid

Drying & Cure times at

20°C (68°F)	Usable Life	2 hours
	Touch Dry	1-2 hours
	Hard Dry	4-6 hours
	Minimum Overcoating	2 hours
	Maximum Overcoating	72 hours
	Full Cure	7 days

Volume Solids 50%**V.O.C.** 44 gm/litre**Shelf Life** Use within 5 years of purchase. Store in original sealed containers at temperatures between 5°C (40°F) and 30°C (86°F)**Food Contact** Meets USDA requirements for incidental food contact.
Meets FDA requirements. CFR 21.175.300 for food contact.**PHYSICAL PROPERTIES**

Abrasion Resistance 60 mgm loss per 1000 cycles - 1 kg load-CS17 wheel
ASTM D4060

Impact Resistance 3.8 joules (33.5 in lbs)
ASTM D2794

Adhesion 35 kg/cm² (500 psi) (on concrete)
ASTM D4541

Scratch Resistance No failure 2.5 kg (5.5 lbs) load
BS 3900 Part E2

HEALTH AND SAFETYAs long as normal good practice is observed **ThistleBond 'Hycote EA9 WB-XB'** can be safely used.

Protective gloves should be worn to prevent skin contact.

A fully detailed **Material Safety Data Sheet** is either included with the material or is available on request.**PACKAGING**

Supplied in 20 litre units.

The information provided in this Product Data Sheet is intended as a general guide only and should not be used for specification purposes. The information is given in good faith but we assume no responsibility for the use made of the product or this information because this is outside the control of the company. Users should determine the suitability of the product for their own particular purposes by their own tests. Detailed specifications are available on request from the company.

FOR FURTHER INFORMATION PLEASE CONTACT



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