



LIMITED



URETHANE & EPOXY SYSTEMS, DEVELOPMENT & MANUFACTURE

TECHNICAL DATA

DURACOAT EBHB

EPOXY BARRIER HIGH BUILD

DESCRIPTION	This is a high build barrier coating exhibiting low moisture vapour transmission and high chemical resistance. EBHB is fast curing to achieve optimum .
USES	This product is a very high build epoxy barrier type coating for use in aggressive environments such as processing equipment, tank lining, floors, walls and containment areas.
COLOUR	Beige and khaki are standard for contrasting multicoat application.
FEATURES	One coat application of up to 1000 microns. Can be reinforced with glass or kevlar for heavy duty performance. Smooth gloss finish.
SURFACE PREPARATION	Steel: Abrasive blast clean to Swedish Standard SA2.5 minimum, with SA3 being necessary for severe conditions and immersion service. High pressure wet blasting with clean water and corrosion inhibitor is further recommended for steel which has been exposed to marine or other salt environments. Consult the manufacturer for specific recommendations. Concrete: Surfaces should be acid etched and waterblasted, diamond ground, sandblasted, or ultra high pressure water blasted. Allow to fully dry, before priming with Duraprime AEP.
APPLICATION	Mix the resin and hardener components in the resin component container with a slow speed (300-400 rpm) jiffy blade or similar for a full three minutes, stopping and scraping down the sides occasionally to ensure thorough mixing. Airless spray using 40:1 unit capable of sustaining 3500 psi at gun. Thinning is not recommended because of the high builds achieved. If necessary, in cold conditions, preheating components is recommended. On critical areas, a multi-coat application with spark testing between coats is recommended. Re-coat times of not more than 24 hours (at 20°C) must be adhered to, to ensure good intercoat adhesion. Higher curing temperatures will require shorter recoat times and/or undercoat sanding.
POST CURING FOR PROCESS EQUIPMENT	When ambient temperatures are less than 10°C, or when equipment is required to be returned to service quickly, steps should be taken to ensure prompt and full cure. Best results will be achieved if the coating is allowed to initially cure to touch dry within the temperature range of 15–25°C, followed by a post cure period of 12-24 hours within the range of 25-35°C.
TECHNICAL DATA	Film Thickness: Up to 1000 microns per coat by airless spray Mix Ratio: 1 part hardener to 2.59 parts resin component, accurate to ± 5% by weight Coverage Rate: 100% solids. 1m ² /l at 1000 microns Dry Time @ 20°C: 6 - 8 hours Recoat Time: Within 24 hours at 20°C Topcoating: May be top coated with a range of Uroxsys top coats for exterior durability or to match colour schemes Shelf Life: 1 year in sealed containers
SAFETY DATA	Wear protective clothing. Gloves are essential. Avoid contact with exposed skin. Before commencing work, apply barrier cream.

This information is, to the best of our knowledge, true and accurate, but any recommendations or suggestions which may be made are without guarantee, since the conditions of use are beyond our control. Furthermore, nothing contained herein shall be construed as a recommendation to use any product in conflict with existing patents covering any material or its use.

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