Carbothane® 133 HB

Carbothane 133 HB is a high build, low sheen polyurethane finish that has excellent resistance to corrosion, chemicals and abrasion.

PRODUCT DETAILS Carbothane 133 HB is a modified acrylic-polyester urethane provides unique blend of weathering resistance (acrylic) and chemical resistance and toughness (polyester). Suitable for application over a number of Carboline primers and intermediates, this material provides very good weathering performance in a broad range of colors. Its high build features provide extra barrier protection and can eliminate an intermediate coat of epoxy for many applications. This product has the unique ability to be applied directly to inorganic zinc primers using a mist-coat technique. Satin gloss minimizes imperfections in steel substrates and yet provides an aesthetically pleasing finish.

APPLICATIONS

BRIDGE AND HIGHWAY

CHEMICAL PROCESSING/REFINING

COMMERCIAL/ARCHITECTURAL

FIREPROOFING

MANUFACTURING

FOOD AND BEVERAGE

METALS AND MINING

OIL AND GAS

OEM

PHARMACEUTICAL

PIPELINE AND TERMINAL

WATER - WASTEWATER

PULP AND PAPER

FEATURES

- Outstanding performance properties in both mild and aggressive environments
- High build; suitable for many two-coat applications
- Suitable for application direct to various primers including inorganic zinc
- Application by spray, brush or roller
- Indefinite recoatability
- VOC compliant to current AIM regulations

Carbothane® 133 HB

Quality Product Backed by Quality Service

- Carboline Company has been solving tough corrosion and fireproofing problems since 1947
- Industrial service centers and sales offices located around the world
- Over 20 worldwide manufacturing locations with a global network of sales and technical support
- Industry leading field service and technical engineering support team
- Certified to ISO 9001

Reasons to use Carbothane 133 HB

PERFORMANCE FEATURE	ADVANTAGE	BENEFIT
Satin finish	Minimizes imperfections in steel substrates	Aesthetically pleasing finish with minimal rework
Acrylic-polyester blend	Combines both weathering resistance and durability	Provides wide versatility in use for many applications in a single product
High build	Provides extra barrier protection in a single coat	Longer lasting system provides lower cost/year service
Applies directly to inorganic zinc primers	Eliminates a typical epoxy intermediate coat	Fewer coats; less labor; with equal protection

Carbothane 133 HB Test Data

TEST METHOD	SYSTEM	RESULTS
ASTM D4213 Scrub Resistance	1 ct. 133 HB	.0027 microliters erosion rate after 100 cycles with abrasive scrub medium.
ASTM G26 Weatherometer	Blasted Steel 1 ct. IOZ 1 ct. 133 HB	No blistering, rusting or cracking after 3500 hours.
ASTM G53 QUV (2500 hours w/ UVA 340 bulb)	Blasted Steel 1 ct. Epoxy 1 ct. 133 HB	Color change less than 2 McAdam units; no blistering, rusting, cracking or chalking.
ASTM B117 Salt Fog	Blasted Steel 1 ct. OZ 1 ct. 133 HB	No rusting, or blistering on plane or scribe 4,000 hours
ASTM B117 Salt Fog	Blasted Steel 1 ct. IOZ 1 ct. 133 HB	No rusting, or blistering on plane or scribe 2,000 hours
ASTM D5894 QUV A Prohesion	1 ct. 133 HB	No effect on plane area and 78% gloss retention after 1008 hours of wet/dry salt fog cycle
ASTM D4585 Humidity	Blasted Steel 1 ct. IOZ 1 ct. 133 HB	No rusting or blistering after 3000 hours.
Graffiti Resistance	Blasted Steel 1 ct. Epoxy 1 ct. 133 HB	All markings and stains removed by solvent after exposure to: shoe polish, Sharpie marker, crayon, lipstick, spray cans of acrylic, alkyd and epoxy.
ASTM D1735 Water Fog	Blasted Steel 1 ct. Epoxy 1 ct. 133 HB	No rusting or blistering after 8600 hours.

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