

1233

E-BOND 1233 DECORATIVE FLOOR RESIN



FORMULATED AND LABELED FOR PROFESSIONAL USE ONLY
NOT FOR SALE TO OR USE BY THE GENERAL PUBLIC

PRODUCT DATA

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DESCRIPTION

E-BOND 1233 is a 100% solids, two-component high-build epoxy that provides heavy-duty protection for industrial floors.

FEATURES:

- Self-Priming
- Easy to Apply, Self-Leveling
- Extended Pot-Life
- High-Gloss
- Smooth, Cleanable Floor
- Excellent Adhesion & Abrasion Resistance
- Impact Resistant
- Chemical Resistant
- For Use With Decorative Chips To Obtain An Attractive And Durable Finish

WHERE TO USE:

- Garages
- Schools
- Hangars
- Industrial Warehouses
- Food & Beverage Processing Facilities
- Manufacturing Facilities
- Automotive Service Areas
- High Traffic Applications
- Shop Floors
- Showrooms

For Best Performance

- Precondition the components to 70°F (23°C) to 80°F (27°C) for 24 hours before use.
- Minimum ambient, surface, aggregate and epoxy temperatures should be 50°F (10°C) and rising at the time of application.
- Store at 60°F to 90°F (16°C to 32°C). Protect from freezing and inclement weather
- Minimum age of concrete must be 28 days prior to application of mortar or sealer on slabs.
- Do not add solvents or water to epoxy material.
- Do not alter or change the recommended proportions when blending the components.
- Shelf Life – 1 Year from date of manufacture stored in closed original container

PHYSICAL PROPERTIES

Material & curing conditions @ 75°F and 50% RH

Type:	E-BOND 1233 IS A HIGH BUILD DECORATIVE FLOORING EPOXY		
Color:	Part A Resin Part B Hardener Admix	Clear Slight Amber Clear Colorless	
Mixing Ratio:	Component A/B	2:1 by volume	
Viscosity:	Ad Mix ASTM C 881 Modified	575-625 cps	
Pot Life:		60-70 mins. @ 77°F (25°C)	
Tack-Free Time: (Thin Film)	60°F (15°C)**	75°F (24°C)**	90°F (32°C)**
** Ambient Temperatures	16-24 hrs.	14-20 hrs.	12 -18 hrs.
Compressive Strength, PSI (Mpa)	ASTM C-579	13,000 psi	
Tensile Properties	ASTM D-638	7,000 psi	
Flexural Properties 14 Days	ASTM-D-790	12,500 psi	
Abrasion CS wheel, 1000 cycles, 1kg load	ASTM D4060	75 mg loss	
Hardness – Shore D	ASTM 2240	85	

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SURFACE PREPARATION:

NEW / BARE CONCRETE:

All surfaces must be structurally sound, clean, and free of dirt, dust, oil, grease, or any contaminant that would adversely affect the bond. Surfaces may be dry or damp, but free of standing water. Concrete must be at least 28 days old prior to application. Concrete should have a minimum surface tensile strength of 300 PSI verified by a pull-off adhesion test. Slabs on grade that do not have an appropriate moisture barrier installed may be subject to seasonal moisture migration that can result in coating disbandment. Should concrete not meet moisture vapor transmission or tensile strength requirements, contact your local sales representative for guidance. Consult the following ASTM methods: ASTM- 4263 – plastic sheet method for checking moisture in concrete; ASTM 4258 standard practice for cleaning concrete; ASTM 4259 standard practice for abrading concrete.

OLD CONCRETE:

Old coatings and concrete must be in sound condition. Surfaces must be clean, dry and free of contaminants such as dirt, dust, grease, oil and other foreign materials. Old coatings must be dulled by abrading the surface. Apply a test area, allowing paint to dry one week before testing adhesion. If adhesion is poor, or if the old coatings are peeling, chipping or are otherwise in poor condition, remove the coatings down to bare concrete and prepare the bare concrete as shown above.

MIXING:

It is important to only mix the E-BOND 1233 in the proper proportion of 2 Parts A to 1 Part B by volume. Mix full units only. Pre-mix each component separately; place Component A (Resin) in a clean container and then add 1 part of Component B (Hardener). Container should have a flat wall and flat bottom. The importance of thorough mixing/blending cannot be overemphasized. Stir and blend thoroughly for a minimum of 3 minutes. Thorough mixing of neat material can result in air entrapment. To avoid bubbles appearing on the surface of the epoxy allow to sit for 5 minutes in the bucket before dumping onto the surface for the squeegee application.

APPLICATION EQUIPMENT:

SQUEEGEE – Flat or notched rubber squeegee (depending upon DFT required) with EPDM rubber blade.

ROLLERS – Use a 3/8" shed-resistant woven roller cover with phenolic core for back- rolling.

THEORETICAL COVERAGE RATE:

10 mils (250 microns) 160 ft² / Gal.

20 mils (500 microns) 80 ft² / Gal.

APPLICATION PROCEDURE:

PRIMING: For bare, porous or pitted concrete it is recommended that a thin coat of E-BOND 1233 is applied as a prime coat to help prevent any craters or outgassing in the finish coat.

Pour mixed material onto floor in a long bead approximately 12-18 inches wide. Do not drain or scrape remaining material in bucket.

Use either a flat or notched rubber squeegee and spread material to uniform thickness. As material is being spread, another applicator should immediately back-roll material with a 3/8" shed-resistant woven roller cover. *DO NOT BACKROLL MATERIAL AFTER IT BEGINS TO TACK-UP.*

CLEAN UP:

Clean all equipment and tools prior to initial set up of the epoxy system. A lacquer solvent or xylene can be used for this purpose. (Lacquer solvents and xylene are highly flammable, use caution as required by the manufacturer of these solvents.) Mortar mixers and tools often can be cleaned up with hot water and soap prior to the epoxy becoming tacky.

SHELF LIFE:

Shelf life is 12 months from manufacture date when stored in unopened original containers Stored indoors at 60°F to 90°F (16°C to 32°C). Keep containers tightly sealed.

KEEP FROM FREEZING.

CAUTION:

For professional use only; not for sale to or use by the general public. Consult Product SDS Prior To Use. E-BOND 1233 contains alkaline amines. Strong sensitizer; MAY CAUSE SKIN SENSITIZATION or allergic response ranging from a mild wheezing to a severe asthmatic type attack. Avoid contact with skin or eyes. IN CASE OF CONTACT immediately wash skin with soap and water. Flush eyes with water and obtain medical attention. Wear protective clothing, goggles, and barrier cream on all exposed skin.

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LIMITED WARRANTY NOTICE: E-BOND EPOXIES, INC. warrants this product to be free from manufacturing defects and to meet the technical properties on the current Technical Data Guide, if used as directed within the shelf life of one (1) year from manufacture date. Satisfactory results depend not only on quality products but also upon many factors beyond our control. The purchaser must examine the product when received and promptly notify E-BOND in writing of any nonconformity before the product is used and no later than 30 days after such non-conformity is first discovered. If E-BOND, in its sole discretion, determines that the product breached the above warranty, it will, in its sole discretion, replace the non-conforming product, refund the purchase price or issue a credit in the amount of the purchase price. This is the sole and exclusive remedy for breach of this warranty.

The information in this data sheet supersedes all other sales information received by the customer during the sales process. THE FOREGOING WARRANTY SHALL BE EXCLUSIVE AND IN LIEU OF ANY OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, AND ALL OTHER WARRANTIES OTHERWISE ARISING BY OPERATION OF LAW, COURSE OF DEALING, CUSTOM, TRADE OR OTHERWISE.

E-BOND shall not be liable in contract or in tort (including, without limitation, negligence, strict liability or otherwise) for loss of sales, revenues or profits; cost of capital or funds; business interruption or cost of downtime, loss of use, damage to or loss of use of other property (real or personal); failure to realize expected savings; frustration of economic or business expectations; claims by third parties (other than for bodily injury), or economic losses of any kind; or for any special, incidental, indirect, consequential, punitive or exemplary damages arising in any way out of the performance of, or failure to perform, its obligations under any contract for sale of product, even if E-BOND could foresee or has been advised of the possibility of such damages. The Parties expressly agree that these limitations on damages are allocations of risk constituting, in part, the consideration for this contract, and also that such limitations shall survive the determination of any court of competent jurisdiction that any remedy provided in these terms or available at law fails of its essential purpose.

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