

EuroCoat[®] 332WB / 332WB S

High performance water based aliphatic urethane finish

Product description

EuroCoat 332WB is a two component, high performance water based urethane sealer designed for applications where hardness, chemical, abrasion and excellent UV resistance are required. EuroCoat 332 WB has been designed as a high performance finish coat for various flooring systems where odor during application cannot be tolerated.

EuroCoat 332 WB is suitable as a seal and finish coat for concrete and stained concrete surfaces. Used as finish coat for industrial or commercial polymers floors or as a standalone sealer to protect concrete from contamination and dusting. Typical applications include aircraft hangars, garage floors, clean rooms, hospitals and high traffic retail areas. EuroCoat 332WB is available in clear or pigmented in 9 standard colors, gloss or satin finish.

Typical uses

- Aircraft hangars
- Stained concrete surfaces
- Show room floors
- Garage & Patio Floors
- Top Coat for Other Polymer Surfaces such as Epoxy and Terrazzo
- Clear topcoat for color quartz, color flake and decorative floor overlays
- Topcoat for slip-proofing to comply with OSHA and ADA standards

Advantages

- High coverage rates
- Easy to apply
- Low odor during application
- Meets the 50 grams per liter California VOC limits
- Fast Cure Rate
- Excellent
- Excellent Resistance to Abrasion and Impact

Coverage

EuroCoat 332 WB is typically applied at 250-350 sqft/gal. Applications heavier than 200 sqft/ gallon (8 wet mils) will create bubbles in the cured coating.

The substrate surface profile greatly affects the coverage rate and final appearance. Larger aggregate applied heavily to the surface for skid resistance will also reduce coverage rate.

Physical Properties

(Material and Curing Conditions at 73°F unless noted, 50% R.H.)

Composition: Water based aliphatic polyurethane

Mix ratio: 2 A: 1 B (by volume)

Color: Clear and 9 standard colors (gloss and satin)

Solids content (by weight): 55% clear
65% pigmented

VOC content: 50 gm/lt

Pot life: 2 hours

Abrasion resistance 35 mg loss (ASTM D4060)

Dry Time

Dry to touch	6 hours
Recoat	12 hours
Light traffic	18 hours
Full cure	7 days

- Higher temperatures and lower humidity will accelerate cure times.
- Lower temperatures and higher humidity will lengthen cure time.

PRODUCT DATA SHEET

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Chemical Resistance

Acetic acid, 1 hour spot test	Softening, Recovers
Toluene, 24 hours immersion	Excellent
Brake Fluid	Excellent
Urine	Excellent
Ethanol, 1 hour spot test	Excellent
Gasoline, 24 hours immersion	Excellent
MEK 200+ Double Rubs	Excellent
Xylene	Excellent
50% Sodium Hydroxide	Excellent
10% Hydrochloric Acid	Excellent
10% Sulphuric Acid	Excellent
10% Acetic Acid	Excellent
Oil	Excellent
Saltwater	Excellent
Skydrol™	Excellent

Application instructions

Preparation: Concrete or screed substrate should be a minimum of 3,625 psi, free from laitance, oil, dust and other contamination. The substrate should be dry to 75% RH as per BS 8204 and free from rising damp and ground water pressure.

Surface must be properly prepared to ensure adequate bond to the substrate. Consult EuroCoat surface preparation bulletin for full details.

Mixing

Note: In hot weather, it is advisable to mix smaller batches. Mix only that amount of material that can be used in a 2 hour period at 77°F. Higher temperatures will reduce work time.

Mixing ratio is 2 parts A to 1 part B. Premix Part A before adding part B. Add part B slowly while mixing part A with a slow speed drill.

Mix for 2 minutes until completely homogenized. Hand mixing is NOT recommended.

Thinning

Material is normally applied as received but may be thinned with water up to 10% to keep a low viscosity. Any reduction water must be added after part A and B have been drill mixed.

Application

EuroCoat 332 WB is applied with a short nap roller (dip and roll) or rubber squeegee and roller. For textured floors use a 3/4 nap roller. Do not allow to puddle or accumulate in low spots or joint areas.

EuroCoat 332WB should be applied 250-350 sq. ft. per gallon by brush, roller or airless sprayer. Applications heavier than 250 sq. ft. per gallon will create bubbles in the cured coating.

The surface can normally be walked on after approx. 3-4 hours at 77°F. Recoat time is 4-10 hours. If an additional coat is required and the previous coat has cured for more than 24 hours, the surface requires light sanding before reapplication.

Cleaning of Tools

Clean tools with soap and hot water.

Limitations

- Hand mixing is NOT recommended. Material must be mixed mechanically for proper curing and performance.
- Work life is considerably shortened over 90 degrees F.
- Clear coat systems could turn a milky color if the substrate is damp or wet before application or during cure.
- Substrate must be above 50°F (10°C), dry and free of excessive water vapor transmission with a relative humidity below 70% at time of installation.
- Moisture vapor transmission (MVT) in excess of 3.0 lbs/1000 sq/ft/per 24 hr period per ASTM F1869, may result in delamination, discoloration or improper curing.
- New concrete should be at least 28 days old for system installation.

Warehousing

- Do not expose material to direct sunshine or heat. Use a dry and cool area for stocking.
- Keep the material in its original packaging.
- Warehousing temperature must be between 4-23 °C (39-74 °F)
- Shelf life is one year.

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Handling

For information on proper handling the product, read the MSD sheets.

The technical data we report, including our instructions and recommendations, are all based on extensive tests and on our own experience. They are intended to help the user to find the most suitable work method and to achieve the best possible results. Since the working conditions during application are outside our control, we cannot assume any responsibility for the results achieved when using the products.

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CAUTION: ALWAYS KEEP OUT OF THE REACH OF CHILDREN.

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