



RESUFLOOR™ HB CLEAR

04/2023 Issue 6 – REF: TOSTCLB

PRODUCT DESCRIPTION

Resufloor™ HB Clear is a two-pack high-performance clear floor coating based on high solids epoxy resin technology.

ADVANTAGES

- High-build clear finish
- High solids
- Low Yellowing
- Ease of application
- Gloss easy-to-clean finish
- Low odour
- Excellent adhesion

RECOMMENDED USE

A wide range of industrial applications such as:

- Showrooms and commercial areas
- Pharmaceutical areas
- Engineering workshops
- Aviation and automotive areas
- Factory units
- Warehouses
- Clear seal coat for decorative floor systems

PRODUCT DATA

Volume Solids: ~100%

VOC: <200 g/l calculated per full mixed unit

Colours: Clear

Finish: Gloss

Flash Point: N/A

Cleanser/Thinner: RS Epoxy Solvent for cleaning only

Pack Size: 5 kg

Pack Weights: 3.34 kg base/1.66 kg hardener (5 kg)

Mixing Ratio: 2 parts base to 1 part hardener by weight only

Mixed Density: Approximately 1.10 g/cm³

Shelf Life: 36 months (base and hardener) when stored in unopened containers

Storage: Keep out of direct sunlight.
Store in a dry place, between 5°C - 30°C

Recommended Application Methods:

Brush, roller or squeegee.

Typical properties at at 20°C

Minimum recoating interval:

12 to 16 hours or once surface has lost tackiness

Light Traffic: 12 to 16 hours

Full Traffic: 24 to 36 hours

Full Chemical Cure: 7–10 days

Pot Life: 15 to 20 minutes from mixing.

Pot life refers to the usable working life of the material following mixing and immediate application. If product is left in the container after mixing and not used, hazardous fumes may be released due to an exothermic reaction.

Typical Consumption: 0.2 - 0.3kg/m² per coat WFT

The coverage rate will vary depending on the texture and porosity of the substrate, site conditions, film thickness and method of application.

SURFACE PREPARATION

Ensure surfaces to be coated are clean, dry and free from all surface contamination such as oil, grease and dirt to achieve satisfactory adhesion. If used as a topcoat for resin flooring finishes, Resufloor™ HB Clear should be applied within 36 hours, otherwise the surface will need to be abraded. All dust must be removed prior to coating.



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APPLICATION CONDITIONS

The recommended application temperatures of the areas should be kept between 15 - 30°C throughout the application and the curing period, otherwise this could have an adverse effect on the appearance and colour of the system. Surface temperature must be above 10°C. The substrate and uncured floor must be kept at least 3°C above the dew point to reduce the risk of condensation forming.

Applied coating should be protected from moisture during application and during the curing period. Exposure to moisture during this time can cause surface and colour variations.

MIXING AND APPLICATION

Materials should be pre-conditioned at 15°C to 25°C prior to use. Mix the entire contents of the base component with the hardener component using a low speed electric mixer (300 - 400 rpm) for 1 - 2 minutes until homogeneous.

Thinning is not recommended.

The mixed unit should be applied immediately by roller, brush or squeegee with a consistent procedure. Floor areas should be cross-rolled to ensure even application and to minimise roller marks.

TECHNICAL INFORMATION

The following figures are obtained from laboratory tests and our experience with this product.

Category Guide: FeRFA Type 2

Bond Strength: >3 N/mm² (Substrate failure)
(BS EN 13892-8:2002)

Temperature Resistance: Tolerant of temperatures up to 60°C

Abrasion Resistance: 60mg loss per 1000 cycles
(ASTM D4060)



1812

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1812-CPR-2063
EN 1504-2

Surface protection products - Coatings
Principle intended uses - Physical resistance

Reaction to fire : B_s-s1
Abrasion resistance : Weight loss < 3000 mg
Capillary absorption and permeability to water : w < 0.1 kg/m².h^{0.5}
Impact resistance : Class I (> 4 Nm)
Adhesion strength : ≥ 2.0 N/mm² (1.5 N/mm²)

WARRANTY

Any person or company using the product without first making further enquiries as to the suitability of the product for the intended purpose does so at their own risk, and Sherwin-Williams can accept no liability for the performance of the product, or for any loss or damage arising out of such use.

The information detailed in this datasheet is liable to modification from time to time in the light of experience and normal product development, and before using, customers are advised to check with Sherwin-Williams, quoting the reference number, to ensure that they possess the latest issue.

DISCLAIMER

The information and recommendations set forth in this Product Data Sheet are based upon tests conducted by or on behalf of The Sherwin-Williams Company. Such information and recommendations set forth herein are subject to change and pertain to the product offered at the time of publication. Consult your Sherwin-Williams representative to obtain the most recent Product Data Information and Application Bulletin.

HEALTH AND SAFETY

Consult Safety Datasheet for information on safe storage and handling of this product.

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