



New Guard Coatings Group

A global reputation to protect.

The information herewith is given with the best of New Guard Coatings Group knowledge.

Rights are reserved to change and update the data without notice.

This information is not exhaustive and it is the user's responsibility to ensure that this data sheet is the most current by contacting their local New Guard Coatings Group branch prior to using the coating/product.

www.newguardcoatings.com

NORTH • SOUTH EAST • MIDLANDS • NORTH WEST • HULL • SCOTLAND



06/2023 Issue 11 – REF: PEWB

PRODUCT DESCRIPTION

Resupen™ WB is a UV stable water-based polyurethane floor and wall finish for application onto concrete, plaster and wood or as a seal coat on Sherwin-Williams flooring systems.

ADVANTAGES

- Chemical resistant
- Skydrol & Hyjet resistant
- Certified for ease of decontamination
- UV stable
- Easy to clean
- Abrasion resistant

RECOMMENDED USE

A wide range of industrial applications such as:

- Laboratories
- Automotive and aviation industries
- Commercial buildings
- Medical and healthcare
- Pharmaceutical areas
- Food and beverage manufacture

PRODUCT DATA

Volume Solids: 40% for coloured
31% for clear

VOC: <10 g/l for coloured
<50 g/l for clear

Colours: 12 standard RAL shades, others available on request.

Finish: Satin or Matt

Flash Point: N/A

Cleanser/Thinner: Water for thinning and cleaning

Pack Size: Colour Satin & Matt versions 6.38 kg
Clear Satin 5.23 kg
Clear Matt 5.65 kg

Pack Weights: Colour Satin & Matt versions
5.52 kg base/0.86 kg hardener (6.38 kg)
Clear Satin
4.49 kg base/0.74 kg hardener (5.23 kg)
Clear Matt
4.91 kg base/0.74 kg hardener (5.65 kg)

Mixing Ratio:

Approx 6.5 parts base to 1 part hardener by weight only (colours)
Approx 6 parts base to 1 part hardener by weight only (clear)

Mixed Density: ~1.20 g/cm³ (colours)
~1.05 g/cm³ (clear)

Shelf Life: 24 months (base) and 12 months (hardener)
in unopened containers

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

Typical Properties 20°C

Cure Times

Minimum recoating intervals: 6 to 8 hours or once surface has lost tackiness

Light Traffic: 12 to 16 hours

Full Traffic: 48 hours

Full Chemical Cure: 7 days

Pot Life: 50-60 minutes from mixing.

Water based coatings may not show a visible end of pot life, therefore, it is essential to use all mixed paint within the specified time frame.

Typical Consumption: 0.12kg/m² WFT

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



06/2023 Issue 11 – REF: PEWB

SURFACE PREPARATION

Resupen™ WB is used as a topcoat on new or existing resin flooring systems, substrate should be lightly abraded/sanded prior to application. and ensure surfaces to be coated are clean, dry and free from all surface contamination such as oil, grease and dirt to achieve satisfactory adhesion.

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.

RECOMMENDED SYSTEMS

Compatible with a wide range of Sherwin-Williams high performance flooring systems.

MIXING AND APPLICATION

Pre-mix the Part A Base to ensure an even consistency. Mix the entire contents of the base component with the hardener component using a low speed electric mixer (300 to 400 rpm) for 3 to 4 minutes until homogeneous.

The addition, by volume, of up to 5% water for Clear and 8% for Colour to the homogeneous mix of A and B, then mix until homogeneous.

NOTE: The coloured product must be thoroughly mixed in order to achieve a smooth, creamy mixture. Once the hardener is added it will appear lumpy in consistency and mixing must continue until the mixture is smooth.

The mixed unit should be applied immediately by short hair roller or brush with a consistent technique.

Cross roll the first coat to ensure even application.

To minimise appearance of roller marks, using a method of rolling in one direction and lifting the roller from the surface on the final roll application.

It is important to maintain a wet edge.



1812

Sherwin Williams Protective & Marine Coatings
Tower Works, Kestor Street, Bolton, BL2 2AL, United Kingdom
Tel: +44 (0) 1204 521771 F: +44 (0) 1204 382115

23

1812-CPR-2063
EN 1504-2

Surface protection products - Coatings
Principle intended uses - Physical resistance

Reaction to fire : B₁-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)

TECHNICAL INFORMATION

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

Category Guide: FeRFA Type 1 and 2

Temperature Resistance: Tolerant of temperatures up to 60°C

Abrasion Resistance: 130.6 mg loss per 1000 cycles
(BS 8204-2:2003+A2:2011)

Impact Resistance: Class I
(BS EN 1504-2:2004)

Fire Classification: Bfl-s1
(BS EN 13502-1:2018)

Tensile Strength: 16.4 MPa
(BS EN ISO 527-2:2012)

Chemical Resistance: Excellent. Consult Sherwin-Williams
(EN 13529:2003) for further information.

Ease of Decontamination: Good
(ISO 8690:1988)

Bond Strength: >2 N/mm²
(BS EN 13892-8:2002)

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.

Sherwin-Williams UK Limited, Protective & Marine Division
Tower Works, Kestor Street, Bolton, BL2 2AL, United Kingdom.

T: +44 (0)1204 521771 F: +44 (0)1204 382115

W: <https://industrial.sherwin-williams.com/emeai/gb/en/resin-flooring.html>

Registered in England Reg. No. 2968830 Reg. Office: Station Lane, Witney, Oxfordshire, United Kingdom, OX28 4XR.



06/2023 Issue 11 – REF: PEWB

PRODUCT DESCRIPTION

Resupen™ WB is a UV stable water-based polyurethane floor and wall finish for application onto concrete, plaster and wood or as a seal coat on Sherwin-Williams flooring systems.

ADVANTAGES

- Chemical resistant
- Skydrol & Hyjet resistant
- Certified for ease of decontamination
- UV stable
- Easy to clean
- Abrasion resistant

RECOMMENDED USE

A wide range of industrial applications such as:

- Laboratories
- Automotive and aviation industries
- Commercial buildings
- Medical and healthcare
- Pharmaceutical areas
- Food and beverage manufacture

PRODUCT DATA

Volume Solids: 40% for coloured
31% for clear

VOC: <10 g/l for coloured
<50 g/l for clear

Colours: 12 standard RAL shades, others available on request.

Finish: Satin or Matt

Flash Point: N/A

Cleanser/Thinner: Water for thinning and cleaning

Pack Size: Colour Satin & Matt versions 6.38 kg
Clear Satin 5.23 kg
Clear Matt 5.65 kg

Pack Weights: Colour Satin & Matt versions
5.52 kg base/0.86 kg hardener (6.38 kg)
Clear Satin
4.49 kg base/0.74 kg hardener (5.23 kg)
Clear Matt
4.91 kg base/0.74 kg hardener (5.65 kg)

Mixing Ratio:

Approx 6.5 parts base to 1 part hardener by weight only (colours)
Approx 6 parts base to 1 part hardener by weight only (clear)

Mixed Density: ~1.20 g/cm³ (colours)
~1.05 g/cm³ (clear)

Shelf Life: 24 months (base) and 12 months (hardener)
in unopened containers

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

Typical Properties 20°C

Cure Times

Minimum recoating intervals: 6 to 8 hours or once surface has lost tackiness

Light Traffic: 12 to 16 hours

Full Traffic: 48 hours

Full Chemical Cure: 7 days

Pot Life: 50-60 minutes from mixing.

Water based coatings may not show a visible end of pot life, therefore, it is essential to use all mixed paint within the specified time frame.

Typical Consumption: 0.12kg/m² WFT

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



RESUPEN™ WB

06/2023 Issue 11 – REF: PEWB

SURFACE PREPARATION

Resupen™ WB is used as a topcoat on new or existing resin flooring systems, substrate should be lightly abraded/sanded prior to application. and ensure surfaces to be coated are clean, dry and free from all surface contamination such as oil, grease and dirt to achieve satisfactory adhesion.

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.

RECOMMENDED SYSTEMS

Compatible with a wide range of Sherwin-Williams high performance flooring systems.

MIXING AND APPLICATION

Pre-mix the Part A Base to ensure an even consistency. Mix the entire contents of the base component with the hardener component using a low speed electric mixer (300 to 400 rpm) for 3 to 4 minutes until homogeneous.

The addition, by volume, of up to 5% water for Clear and 8% for Colour to the homogeneous mix of A and B, then mix until homogeneous.

NOTE: The coloured product must be thoroughly mixed in order to achieve a smooth, creamy mixture. Once the hardener is added it will appear lumpy in consistency and mixing must continue until the mixture is smooth.

The mixed unit should be applied immediately by short hair roller or brush with a consistent technique.

Cross roll the first coat to ensure even application.

To minimise appearance of roller marks, using a method of rolling in one direction and lifting the roller from the surface on the final roll application.

It is important to maintain a wet edge.



1812

Sherwin Williams Protective & Marine Coatings
Tower Works, Kestor Street, Bolton, BL2 2AL, United Kingdom
Tel: +44 (0) 1204 521771 F: +44 (0) 1204 382115

23

1812-CPR-2063
EN 1504-2

Surface protection products - Coatings
Principle intended uses - Physical resistance

Reaction to fire : B₁-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)

TECHNICAL INFORMATION

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

Category Guide: FeRFA Type 1 and 2

Temperature Resistance: Tolerant of temperatures up to 60°C

Abrasion Resistance: 130.6 mg loss per 1000 cycles
(BS 8204-2:2003+A2:2011)

Impact Resistance: Class I
(BS EN 1504-2:2004)

Fire Classification: Bfl-s1
(BS EN 13502-1:2018)

Tensile Strength: 16.4 MPa
(BS EN ISO 527-2:2012)

Chemical Resistance: Excellent. Consult Sherwin-Williams
(EN 13529:2003) for further information.

Ease of Decontamination: Good
(ISO 8690:1988)

Bond Strength: >2 N/mm²
(BS EN 13892-8:2002)

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.

Sherwin-Williams UK Limited, Protective & Marine Division
Tower Works, Kestor Street, Bolton, BL2 2AL, United Kingdom.

T: +44 (0)1204 521771 F: +44 (0)1204 382115

W: <https://industrial.sherwin-williams.com/emeai/gb/en/resin-flooring.html>

Registered in England Reg. No. 2968830 Reg. Office: Station Lane, Witney, Oxfordshire, United Kingdom, OX28 4XR.