

SpecWood® WB Roller Coater Filler Primer XPS

Performance water based acrylic primer / finish coat for polystyrene

Description:

This product is a one-component, waterborne acrylic primer, surfacer, and finish coat designed to achieve a matt finish. Its formulation is especially suitable for use with automated roller coater equipment, as well as extrusion and spray methods, ensuring a consistent and efficient coating process. The rapid drying properties allow for quick turnaround times during production, which directly supports the stackability of coated items—enabling immediate handling and space-efficient storage after application. With a wide spectrum of available colours, the product adapts to diverse requirements in industrial and commercial settings

Intended Uses:

Ideal for soft and rigid polystyrene extrusions, this primer provides vibrant colour, robust water and chemical resistance, and superior durability. It is commonly used in manufacturing applications such as window profiles, door trims, building mouldings, and protective casings. The product's flexibility and impact resistance make it suitable for items subject to frequent handling or movement. Its abrasion resistance and comprehensive coverage at low film builds further enhance its value for applications requiring longevity and a flawless finish.

Features & Benefits:

- No odour and non-hazardous.
- Non-flammable.
- Fast drying.
- Excellent flow and wetting properties.
- Excellent Adhesion
- Good durability.
- Good reparability.
- Good moisture resistance.

Technical Data:

Colour	RAL Colours
Density	1.36 Kg/ Litre
Non-Volatile (%)	50 %
Components	1
Pack Size	20 Lt
Typical Film Thickness	50 – 70 g/m ² per coat wet 60 – 95 um per coat wet 30 – 47 um DFT per Coat
Yield	
Method of Application	Specialized roller coater or airless spray

Drying Information:

At max film thickness

	0°C	5°C	10°C	25°C	30°C	40°C
Touch Dry	-	-	-	10 min	-	-
Sand	-	-	-	30 min	-	-
Stackable	-	-	-	1 hrs	-	-
Thorough	-	-	-	1 day	-	-

Overcoating Data – See Limitations

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Whilst we endeavour to ensure that all advice we give about the product is correct, the information given in this data sheet is not intended to be exhaustive and any person using the product for any purpose other than that specifically recommended in this sheet without first obtaining written confirmation from us as to the suitability of the product for the intended purpose does so entirely at his own risk. As conditions of use, method of application and suitability of the substrate prior to painting are beyond our control, no guarantee is implied by the recommendations contained herein. We therefore do not accept any liability whatsoever or howsoever arising from the performance of this product or for any loss or damage arising out of the use of this product. The information contained in this sheet is liable to modification from time to time in the light of experience and ongoing product development programmes. It is the user's responsibility to ensure that this sheet is current prior to using the product

Latest Update:
03/06/2026 (v2)
Issue Date:
06/06/2024

Substrate Temp.	0°C	5°C	10°C	25°C	30°C	40°C
Minimum	-	-	-	30 mins	-	-
Maximum	-	-	-	48 hrs	-	-

Surface Preparation:

All polystyrene surfaces to be coated should be thoroughly dry, clean, and free from any dust, grease, or contaminants. Before application, lightly sand the surface using fine sandpaper to create a smooth and even finish. Take care to avoid excessive sanding pressure, as polystyrene can be easily damaged.

Application:

Mixing	Material is supplied in full containers. Stir the base component well with a flat-bottomed paddle or mechanical mixer until product is uniform. The temperature of the mixed product should preferably be above 15°C.	
Roller Coater	Recommended	
Thinner	Water (potable)	Not required, but if necessary up to 5%
Cleaner	SA65 Thinner	For dry paint & equipment
Work Stoppage	Do not allow material to remain in spray equipment after use, thoroughly flush and clean all equipment with Water . Once the kit has been mixed, they should not be re-sealed and it is advised that of prolonged stoppages, work recommences with freshly mixed units	
Clean Up	Clean all equipment immediately after use with water. It is advisable to periodically flush out equipment during the course of the working day. Frequency of cleaning is dependant of upon the amount applied, temperature and elapsed time.	

Environment:

	Surface Temperature	Ambient Temperature	Relative Humidity
Minimum	10°C*	15°C	No lower limit
Maximum	35°C**	45°C	85%

* Or 3°C above dew point

** Higher temperatures result in reduced sag resistance and faster cure.

Limitations:

- This product is not suitable for immersion conditions or exterior exposure.
- Unmixed material (in closed containers) should be maintained in protected storage in accordance with information given in the STORAGE section of this data sheet.
- Technical and application data herein is for the purpose of establishing a general guideline of the coating application procedures.
- Test performance results were obtained in a controlled laboratory environment and Specialized Coating Systems makes no claim that the exhibited published test results, or any other tests, accurately represent results found in all field environments. As application, environmental and design factors can vary, due care should be exercised in the selection and verification of the performance and use of the coating.

Storage:

- Shelf Life: 12 months at 25°C from date of manufacture. Subject to inspection thereafter.
- Store in dry conditions out of direct sunlight, away from sources of heat or ignition.

Precautions:

For complete safety and handling information please refer to the appropriate Safety Data Sheets prior to using this product.

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