

Plastipur® (USA)

WR Cove and Render Grade
For vertical surfaces

Product description **Plastipur® WR Cove and Render Grade** is a polyurethane based resin screed system for vertical surfaces. It has been developed to compliment the range of **Plastipur®** HT resin floor systems; forming coved skirting and wall render details to protect plinths, drains, tanks, sumps and other vertical surfaces from chemical or physical attack.

Plastipur® WR Cove and Render Grade provides a smooth, self-sealing, hygienic finish that is easy to clean and can be colour matched to a **Plastipur®** HT floor system. Extra sealer coats can be applied to **Plastipur® WR Cove and Render** to provide a good colour match and enhanced cleaning properties. **Plastipur® WR** is especially suitable for hygiene sensitive environments such as food and beverage production and clean rooms

Key facts:

Matches **Plastipur®** HT resin screeds
Smooth, hygienic finish
Good chemical resistance
Good impact and wear resistance
Non tainting
Optional sealer coats for colour matching and easy cleaning
Optional biocide additive

Performance data:

Compressive Strength: 46 N/mm²
Flexural Strength: 10 N/mm²
Tensile Strength: 7 N/mm²
Temperature Resistance: Constant -13 °F to 185 °F
Occasional spillages of up to 212 °F at ½" thickness
Adhesive Strength to Concrete: Concrete failure
Flash Steam Cleanable: Yes
Water Permeability: Extremely low (0% when sealed)

All figures are measured and expressed under laboratory conditions: Actual performance may vary from the above values depending upon site conditions.

Physical properties:

Primer(s): 1 or 2 coats **Plastipur®** WR tack coat
System: 1 application **Plastipur®** WR by trowel
Sealer Coat(s): None
Optional Variations: **Plastipur®** SLR colour matched sealer coat
Biocide additive

System details:

Finish: Smooth/matt
Thickness: ¼" to ½"

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Chemical Resistance:

Resistant to a wide range of chemicals including organic solvents, acids and alkalis. For full details consult the Plasti-Chemie technical Dept.

Curing Time:

A completed resin floor can go into service after the following minimum cure period at 64 °F and above:

Initial Cure: 16 hours
Heavy Traffic: 72 hours
Full Chemical Cure: 72 hours

Shelf Life and Storage:

The product should be kept in its original unopened container until use. The product should be stored in weather tight conditions at temperatures between 50 °F and 78 °F, avoiding direct sunlight. Under these conditions this product has a shelf life of up to 6 months.

Other Products:

The following products are recommended for use with **Plastipur® WR**:
Plastipur® HT range of floor screeds

Standard Colour Range:

Red Buff Terracotta
Green Grey Cream

Plastipur® WR is available in a choice of six standard colours and some bespoke colours upon request.

Other products:

The following products from Plasti-Chemie International GmbH are recommended for use with **Plastipur® WR**:
Plastipur® HT range of floor screeds

Application:

Food Processing
Brewing and Beverages
Dairy Processing
Pharmaceutical Production Facilities
Chemical Processing and Storage
Engineering
Aerospace
Effluent Tank Linings
Any environment using a **Plastipur® HT** floor resin

Application Temperature:

Correct temperature is critical to the successful application of **Plastipur® WR** Cove and Render Grade and air temperatures should be maintained between 50 °F and 78 °F during the application and curing period of this product. We also strongly recommend that the application area is heated to temperatures of between 64 °F and 78 °F for up to 24 hours prior to application to

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allow the ambient and substrate temperatures to regulate before the application commences. Materials should also be kept in a warm area of 53 °F minimum temperature for 12 hours prior to application. De-humidifiers must be used where high humidity conditions prevail. Ensure adequate ventilation during application.

Priming:

The dry, prepared, dust-free substrate should receive a roller applied tack coat of **Plastipur®** WR primer at a rate of 100 ft²/gal. After 1 to 2 hours of tack off time the **Plastipur®** WR Cove and Render Grade can be applied. Substrates which are known to have high porosity or void content should receive an additional tack coat: applied once the initial tack coat has cured

System Application:

Mix the mortar in a horizontal pan-type mixer and spread over the measured area. Close to a neat, seared finish with a steel float or coving trowel

Sealer Coats:

Optional sealer coats of **Plastipur®** SC20 or **Plastipur®** SLR may be applied by paintbrush or short pile roller after a minimum of an 8 to 12 hours cure

In-Service Maintenance:

Good housekeeping and regular cleaning can considerably extend the service life of a resin screed floor and will enhance the floor's appearance and reduce soiling tendencies. Suitable cleaning methods for this product include:
Rotary scrubbing machine or hot water washing (up to 185 °F) with suitable detergent products. Flash steam cleaning is suitable on an occasional basis.

Data concerning our products and devices as well as concerning our data and procedures are based on an extensive research work and an application technology experience. We obtain these results, with which we do not take over adhesion going beyond the respective single contract, in word and writing after best knowledge, reserve ourselves we however technical changes in the course of the product development. That does not relieve the user however to examine our data and recommendations before their use responsible for the own use. That applies also regarding the keeping of patent rights third as well as for applications and procedures, which are not expressly in writing indicated by us.