

# Technical Data Sheet

## RBP Resysta Base Primer



### Product Specification

RBP primer is a water thinnable, low VOC formulation for the pre-treatment of roughened and absorbent substrates. Especially designed as primer for sanded RESYSTA surfaces. Thanks to its low viscosity and low surface tension, a thin, leveling and compact layer forms on the rough surface, this improves water and chemical resistance to polar agents such as alcohol. The application of the next layer of the pre-treated RESYSTA surface is much easier and results in a smooth, even surface.

### Scope of Application

priming coat for indoor and outdoor Resysta surfaces

### Product Data

RBP	1 Gallon
viscosity at delivery 68°F 4mm DIN-cup	13 Sec.
shelf life in unopened original container	12 months at cool and dry storage not below 41°F (protect from frost)
specific density	approx. 1,0 g/cm <sup>3</sup>
nonvolatile matter	approx. 25%
dry-film thickness at single application according to application instructions	approx. 15 µm
VOC directive EU maximum permissible value for this product (cat. A/e): 130 g/l (2010)	this product contains a VOC content of < 60 g/l
further data in the safety data sheet according to 91/155 / EEC	upon request by e-mail: <a href="mailto:info@resystausa.com">info@resystausa.com</a>

### Color | Gloss Level

gloss level description	glossy
color	clear/transparent

### Pre-treatment | Substrate

The substrate must be dry, firm and free of soiling and substances that could interfere with adhesion. Prior to coating, sand surfaces with a 100-120 grit sandpaper to remove soiling by gently rubbing in longitudinal direction. Remove sanding dust.

### Handling

Stir product thoroughly before use

Painting and spraying (air cap and high pressure) adjust processing viscosity accordingly

Optimal processing conditions at temperatures between 59°F and 86°F and humidity of approx. 40-65%. Do not process at temperatures below 50°F and when exposed to direct solar radiation.

Higher temperatures, low humidity, strong air movement (wind), direct solar radiation and a warm substrate can lead to an extremely accelerated drying process and hinder the uniform application of the paint coat.

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Hardeners   Thinners   Additives	
Thinner	Distilled Water

Application			
	Coating (paintbrush)	Spraying with paint spraying gun	High pressure sprayers
injection pressure (bar)	-	1,5-2,0	110-130
size of nozzle in mm	-	1,6-1,8	0,25-0,28
thinner addition	none	none	none
processing viscosity DIN 4mm (Sec)	13	13	13
Wet film thickness in µm	50-60	50-60	50-60
applied quantity per m <sup>2</sup> productivity undiluted regardless of overspray	2.47oz approx. 600ft <sup>2</sup> /gal	2.47oz approx. 600ft <sup>2</sup> /gal	2.47oz approx. 600ft <sup>2</sup> /gal

Drying Time	
dust-dry	after 20 minutes
dry to handle	after 60 minutes
can be sanded	after 120 minutes
stackable	after 12 hours
depending on environmental conditions	
Forced drying is possible after an airing time of approx. 20-30 minutes.	

Finishing Treatment
after drying, sand with sandpaper 180-240 grit and remove dust
then paint the surface with transparent colored RCL in the appropriate color

Special Notes
The applied quantity is highly dependent on the substrate to be processed. Consumption increases with rough and highly absorbent surfaces.
 Product is sensitive to frost. Do not store or transport below 41°F
only use rustproof tools
Clean tools after use with water and subsequently with methylated spirit
always keep containers closed to protect contents from drying out

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