

# Technical Data Sheet

## RCL Resysta Coating Layer



### Product Specification

Water-based 1-component protective stain for color designing of Resysta surfaces. RCL finish is specially designed for indoor and outdoor use and features very good weather- and water-resistance.

### Scope of Application

Decorative color design for indoor and outdoor areas, e.g. facades, fences, roof soffits.

### Product Data

RCL-C (hue)	1 Gallon
viscosity at delivery 68°F 4mm DIN-cup	approx. 120 sec. ± 10 sec. (varying according to shade of color)
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> (varying according to shade of color)
nonvolatile matter	approx. 32%
dry-film thickness at single application according to application instructions	approx. 20 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	satin-finish
according to DIN 67530 60° angle	20 ± 3
color	clear and transparent pigmented according to sample card

### 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.

To obtain optimum adhesion of the RCL, we recommend priming the Resysta surfaces after cleaning with Resysta Base Primer (RBP colorless). Resysta base primer (RBP) increases water resistance, improves the adhesion of the paint film and facilitates uniform spreading of the transparent colored RCL.

### 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	-	1,8-2,0	0,28-0,33
thinner addition	none	up to 20%	up to 10%
processing viscosity DIN 4mm (Sec)	120	60-90	90
applied quantity per m <sup>2</sup>	2.47oz-2.82oz	2.82oz-3.52oz	2.82oz-3.17oz
Wet film thickness in µm	70-80	90-100	80-90
productivity undiluted regardless of overspray	approx. 300ft <sup>2</sup> /gal	approx. 300ft <sup>2</sup> /gal	approx. 300ft <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	

Special Notes
The particular color is significantly dependent on the quantity applied and the preparation of the material to be coated. Verify shade of color before processing. Only apply extensively after thorough examination of the material to be coated. No liability is accepted for hue variations or differences in comparison to the color card.
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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