



# CS 100 II 10/20/30/50

## High Performance Acrylic solvent based coating

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### Description

CS 100 II 10/20/30/50 is a one component ACRYLIC solvent based sealer. It exhibits an excellent appearance, is UV stable, and has a good resistance to certain chemicals. CS 100 II 10/20/30/50 is available in three solids contents: 10, 20, 30, and 50% by weight. The product is designed to penetrate and seal porous mineral surfaces such as concrete and masonry. It can also be used as a membrane for freshly cured concrete.

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### Primary Applications

- ✓ Paving Stones
- ✓ Stamped concrete
- ✓ Top coats on outer vinyl flake coatings (CS 100 II /50)
- ✓ Sidewalks
- ✓ Bridges
- ✓ Garages and parking lots
- ✓ Exposed aggregates
- ✓ Walls
- ✓ Concrete
- ✓ Bricks and silica stones

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### Advantages

- ✓ Dense surface resistant to bacteria and moisture and easy to clean
- ✓ Cuts the spread of dust from the concrete
- ✓ Reduce penetration of chloride ions (salts used to melt ice)
- ✓ May be applied on horizontal or vertical surfaces
- ✓ Creates a continuous clear film resistant to yellowing
- ✓ Fast dry time when applied in thin film (4-6 mils), with a recoat period of 1 hour
- ✓ May apply several layers on itself with excellent adhesion
- ✓ Excellent adhesive properties, allowing for application on a wide variety of substrates
- ✓ Anti-dust, stain and water repellent
- ✓ One component



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## TECHNICAL DATA

Packaging litres / gal us		Shelf Life				
3.78 / 1	18.9 / 5	12 months in original unopened factory sealed container. Keep away from extreme cold, heat, or moisture. Keep out of direct sunlight and away from fire hazards.				
Recommended Thickness						
4-8 mils (200-400 ft <sup>2</sup> )						
Color: during application / dry		<p><i>*Please note that the indicated mileage is calculated for flat surfaces. A porous or imperfect surface will require more material in order to cover the same mileage.</i></p> <p><i>*Note: Times and data mentioned are based on laboratory conditions. Field results may vary and will be affected by changing ambient conditions, especially changes in temperature and relative humidity.</i></p>				
clear transparent						
<u>PROPERTIES @ 23°C (73°F) 50% R.H.</u>						
Solids by weight %		Finish	VOC (g/litre)		10% - 815    20% - 749	
CS 100 II/ 10	10%	Mat			30% - 684    50% - 594	
CS 100 II/ 20	20%	Pearl	Recommended Thinner			
CS 100 II/ 30	30%	Gloss	SOLVENT 01			
CS 100 II/ 50	50%	Glaze	Density (kg/L)	0.88 – 0.96	Viscosity	110 – 140 cps
Pedestrian Traffic		6 - 8 hours	Hardness (Shore D), ASTM D2240		75 - 85	
Normal Traffic		12 – 24 hours	Elongation %, ASTM D638		4 - 6	
Heavy Equipment		24 hours	Water absorption (%), ASTM D570		0.2	
Tensile Strength (psi) ASTM D638		6500-7600	Bond Strength (psi), ASTM D4541		>300 (substrate ruptures)	
Abrasion Resistance (CS17/1000 cycles/1000 g) ASTM D4060		0.05				

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## APPLICATION

### Existing Concrete or Paving Stones (more than 30 days)

The surface to be coated must be clean. Remove dust, dirt, oils and greases, tire mark, and any remaining coating that is incompatible with the CS 100 II 10/20/30/50. Once the surface is thoroughly cleaned and dry, apply the first coat of CS 100 II 10/20/30/50 with a roller, brush or sprayer at the suggested yield and repeat for the second coat if necessary.

### New concrete (concrete with a minimum of 7 days of curing)

The surface to be coated must be clean. Remove dust, dirt, oils and greases, tire mark, and any remaining coating that is incompatible with the CS 100 II 10/20/30/50. Once the surface is thoroughly cleaned and dry, apply the first coat of CS 100 II 10/20/30/50 with a roller, brush or low pressure sprayer at the suggested yield and repeat for the second coat if necessary.

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## CLEANING

Clean all application equipment with the recommended cleaner (SOLVENT 01). Once the product has hardened, it can only be removed by mechanical means. In case of skin contact, wash thoroughly with warm soapy water.

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## RESTRICTIONS

- ✓ Do not apply at temperatures below 10 ° C / 50 ° F or above 30 ° C / 86 ° F
- ✓ The relative humidity of the surrounding work environment during the application of the coating and throughout the curing process should not exceed 85%
- ✓ Substrate temperature must be 3 ° C (5.5 ° F) above dew point measured
- ✓ Humidity content of substrate must be <4% when coating is applied
- ✓ Do not apply on porous surfaces where a transfer of humidity may occur during the application
- ✓ The application of this coating on an interior or exterior substrate without a moisture barrier is at risk of detachment (by hydrostatic pressure).
- ✓ Protect the coating from all sources of moisture for a period of 48 hours
- ✓ Surface may discolor in areas exposed to regular ultraviolet light

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## HEALTH AND SAFETY

In case of skin contact, wash with water and soap. In case of eye contact, immediately rinse with water for at least 15 minutes. Consult with a doctor. For respiratory problems, transport victim to fresh air. Remove contaminated clothes and clean before reuse. Components A and B contain toxic ingredients. Prolonged contact of this product with the skin is susceptible to provoke an irritation. Avoid eye contact. Contact with may cause



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serious burns. Avoid breathing vapors release from this product. This product is a strong sensitizer. Wear safety glasses and chemical resistant gloves. A breathing apparatus filtering organic vapors approved by the NIOSH/MSHA is recommended. Predict suitable ventilation. Consult the material safety data sheet for further information.

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### **IMPORTANT NOTICE**

The information and recommendations contained in this document are based on reliable test results according to ICR COATING SYSTEMS. The data mentioned are specific to the material indicated. If used in combination with other materials, the results may be different. It is the responsibility of the user to validate the information therein and to test the product before using it. ICR COATING SYSTEMS assumes no legal responsibility for the results obtained in such cases ICR COATING SYSTEMS assumes no legal responsibility for any direct, indirect, consequential, economic or any other damages except to replace the product or to reimbursement the purchase price, as set out in the purchase contract.

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