

# ENCOR<sup>®</sup> 7325

EMULSION POLYMER



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## Product Description

ENCOR<sup>®</sup> 7325 is a styrene/acrylic emulsion for concrete sealers

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## Performance Characteristics

- Sealer for Interior and Exterior Concrete
  - Outstanding Water Resistance
  - Non-Yellowing
  - Passes ASTM C309 and C1315 for water retention
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## Typical Properties<sup>1</sup>

Total Solids, % by weight	46.0
pH	8.5
Viscosity, cps	100
Weight/Gallon (lbs.)	8.8
MFFT (°C)	45
Appearance	Milky Emulsion

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<sup>1</sup>The data provided for these properties are typical values, intended only as guides, and should not be construed as sales specifications.



# ENCOR® 7325

EMULSION POLYMER

## Laboratory Test Report

ENCOR® 7325 [Water-based emulsion at 25% solids]

PROPERTY	TEST RESULT	ASTM C 1315
Water Retention, <i>kg/m<sup>2</sup></i>	0.35	Requirement 0.40, max
Drying Time to Touch, <i>hours</i>	2 hr 30 min	4.0, max
Nonvolatile Content, %	25.2	25, min
Alkali Resistance (5% Aqueous Sodium Hydroxide Solution)	No changes in treated surface	No pin-holes, blisters
Acid Resistance (10% Aqueous Hydrochloric Acid Solution)	Some discoloration of treated surface	No pin-holes, blisters or disintegration

The tested material sample meets the applicable provisions of ASTM C1315-95 "Liquid Membrane-Forming Compounds Having Special Properties for Curing and Sealing Concrete".

## Laboratory Test Report

ENCOR® 7325 [Styrene acrylic emulsion polymer at 15% NVM compound]

PROPERTY	TEST RESULT	ASTM C 309
Water Retention, <i>kg/m<sup>2</sup></i>	0.44	Requirement 0.55, max
Drying Time to Touch, <i>hours</i>	~ 1 hr	4.0, max
Nonvolatile Content, %	15.8	15, min

The tested material sample meets the applicable provisions of ASTM C309-98a "Liquid Membrane-Forming Compounds for Curing Concrete".

## Starting Point Formulation

Clear Concrete Sealer (25%NVM)

Item	Gallons	Lbs/100 Gal	Supplier
Water	44.17	368.60	
Dowanol PPh	4.83	42.68	Dow
Antifoam SE-21	0.05	0.43	Wacker
Zonyl FSH	0.02	0.26	DuPont
Ammonia (28°)	0.16	1.21	

Add materials in order listed with good agitation. Allow to mix 5 minutes, then add remaining material.

<b>ENCOR® 7325</b>	50.77	449.04	Arkema
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Allow to mix under good agitation for 30 minutes.

TOTAL	100.00	862.21	
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\*pH can be adjusted to desired level with ammonia

**Formulation Constants:** NVM by Weight: 25.02% NVM by Volume: 24.38% VOC: ~ 1.56 lbs./Gal. VOC: ~187.00 g/L

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**Product  
Safety**

Before handling the materials listed in this bulletin, read and understand the product MSDS (Material Safety Data Sheet) for additional information on personal protective equipment and for safety, health and environmental information. For environmental, safety and toxicological information, contact our Customer Service Department at 1-866-837-5532 to find an MSDS, or visit our web site: [www.arkemacoatingresins.com](http://www.arkemacoatingresins.com)

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**Storage and  
Handling**

ENCOR® 7325 should be stored indoors in the original unopened and undamaged container, in a dry place at a temperature not exceeding 85° F (30° C). Exposure to direct sunlight should be avoided.

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