StanChem resins
a division of DELTECH

# StanChem SC 6908

## Description:

**Stan**Chem SC 6908 is an acrylic copolymer emulsion designed for exterior latex paints. SC 6908 provides excellent weatherability, wet adhesion and adhesion to chalky or weathered substrates. Additionally, SC 6908 is designed to provide superior stain and tannin stain blocking properties compared to conventional weatherable acrylic binders.

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### Typical Physical Properties:

| | |
|---|---|
| **Type:** | Acrylic Copolymer Emulsion |
| **Solids by weight:** | 43.0 – 45.0% |
| **Viscosity* @ 25°C:** | 200 - 1800 cps |
| **pH @ 25°C:** | 7.5 – 8.5 |
| **Density** | 8.75 ± 0.10 lbs/gal |
| **Tg (DSC):** | 12ºC |

*Brookfield RVT, #4 Spindle @ 20 RPM
**Storage: SC 6908** is stable for at least 12 months from manufacturing date when stored between 5°C-40°C in appropriate containers.

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# **Stan**Chem SC 6908 White Stainblocking Primer

| Pounds | Gallons | Raw Material | Supplier | Instructions |
|---|---|---|---|---|
| 90.0 | 10.80 | Water | | Add ingredients separately and in order |
| 10.0 | 1.00 | Tamol 851 | Dow | under good agitation |
| 3.0 | 0.38 | AMP-95 | Dow | |
| 2.0 | 0.27 | Byk 038 | Byk Chemie | |
| 3.0 | 0.34 | Surfynol PSA 336 | Evonik | |
| 150.0 | 4.50 | Tronox® CR-828 | Tronox | Add slowly under good agitation |
| 100.0 | 4.43 | Atomite | Imerys | |
| 15.0 | 0.32 | Zoco 103 | Zochem | Increase speed and disperse to 6+ Hegman |
| 624.0 | 71.31 | **Stan**chem SC 6908 | **Stan**chem | Add to letdown tank separately and under |
| 14.4 | 1.73 | Water | | good agitation |
| 1.0 | 0.14 | Byk 038 | Byk Chemie | Add grind slowly at this point |
| 2.0 | 0.22 | Proxel AQ | Lonza | |
| 13.8 | 1.77 | Texanol | Eastman | |
| 17.3 | 2.00 | Propylene Glycol | | |
| 5.0 | 0.58 | Acrysol RM-12W | Dow | Add slowly under agitation to adjust |
| 2.0 | 0.22 | Acrysol RM-825 | Dow | viscosity and rheology |
| **1052.5** | **100.00** | ***Total*** | | |

| Formulation Parameters | |
|---|---|
| Weight Solids | 52.24% |
| Volume Solids | 41.17% |
| Density | 10.53 lbs/gal |
| Pigment Volume Concentrate | 22.93% |
| Pigment / Binder | 0.95 |
| VOC, g/l | 90 |
| VOC, lbs/gal | 0.75 |

| Typical Paint Properties | |
|---|---|
| pH | 8.5 - 9.0 |
| Viscosity (Stormer, 25C, KU) | 105 - 115 |

## WARRANTY:

Seller warrants that its product will meet the specifications which it sets for them. Seller's responsibility under this warranty will be limited solely to replacing the products which prove defective, provided that the Buyer gives Seller prompt notice in writing of said defect. Products may be returned to Seller only after written authorization has been obtained from Seller. The foregoing warranty is in lieu of all other warranties, whether oral, written, express, implied or statutory. IMPLIED WARRANTIES OF MERCHANTINILITY AND FITNESS FOR A PARTICULAR PURPOSE WILL NOT APPLY. Technical or other advise is furnished by us solely as an accommodation ands shall not increase the scope of our responsibilities or liability. Seller's warranty obligations and Buyer's remedies hereunder are solely and exclusively as stated herein: In no event will Seller be liable either for the labor and other associated costs incurred in replacing the product, including, but not limited to, its removal and application, or for other incidental or consequential damages.

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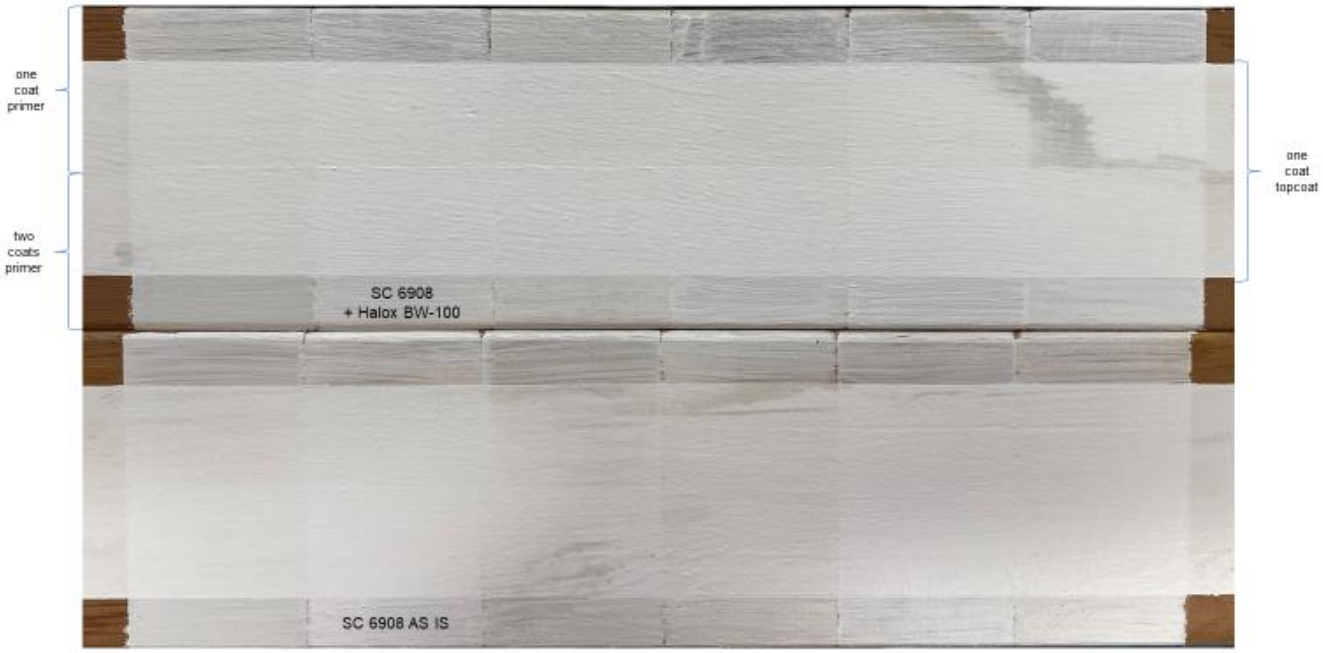
# Tannin Blocking Resistance

Test Method: Fresh Cedar boards were coated with one and two coats of various commercially available tannin blocking primers. Each board was then top coated with an industry-standard exterior enamel, and then exposed to 100% humidity for a period of 72 hours. After being allowed to dry completely, photos and colorimeter readings (before exposure and after) were taken. Results are seen below.

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# Stain Blocking Resistance

Test Method: A standard interior satin enamel is drawn down on Leneta charts as a “base”. After adequate drying, a battery of predetermined markers, pencil, and gel pens are used for a variety of stains (many of the pigments used therein can be very difficult to cover). Each stainblocking primer is then drawn down over the top of the stains, and after adequate drying, the same standard satin enamel is used to topcoat the primers, in an attempt to “lock” the stains within the primer layer. Results are seen below.