**W-33**

**INTEGRAL WATER REPELLENT ADMIXTURE FOR CONCRETE & MASONRY**

**PRODUCT DESCRIPTION:** *Specco W-33* is an integral water repellent liquid admixture used in concrete blocks, pavers, roof tiles, and related precast, as well as mortar and stucco mixes. *W-33* provides added water repellency, and aids cement hydration to provide increased compressive strengths and improved freeze-thaw resistance. *W-33* is formulated to reduce cracking, crazing, efflorescence, surface bleeding, and to help provide uniform color to pigmented mixes. *W-33* is viscosity modified, allowing the active ingredients to remain in the concrete matrix and not separate or float to the surface during mixing.

**BENEFITS:**
- Reduced moisture absorption
- Reduced efflorescence & surface discoloration stains & deposits
- Non-corrosive
- Mold life extended by reduced concrete friction
- Corrosion inhibitor of steel reinforcement
- Improves plain and pigmented mixes
- Compatible with other admixtures

**COMPOSITION:** Viscosity modified stearate-based solution. *W-33* does not contain any calcium chloride or intentionally added chlorides that would initiate or promote corrosion of reinforcement steel, or contribute to efflorescence.

**LEED CREDIT CONSIDERATIONS:** EQ Credits 4.2: Low emitting materials (VOC < 25 g/L). MR Credits 5.2: Regional materials—Greater than 20% extracted, processed and manufactured regionally at production location: Kankakee, Il. 60901. 90% Content- Harvested within 500 miles.

**PHYSICAL PROPERTIES at 70° F (21°C): APPROXIMATE VALUES:**

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Weight per gallon</td>
<td>8.50 +/- 0.10 lb./ gallon</td>
</tr>
<tr>
<td>pH</td>
<td>9.0 +/- 0.5</td>
</tr>
<tr>
<td>Color</td>
<td>Opaque-white emulsion</td>
</tr>
<tr>
<td>Viscosity –Brookfield</td>
<td>1250 cps +/- 100 cps</td>
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<tr>
<td>Chloride Ion Content per AASHTO:T260-Procedure C</td>
<td>125 ppm</td>
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**TECHNICAL DATA:** *W-33* is compatible with most mineral and chemical components common to Portland cement, calcium alumina cement and calcium sulfate (gypsum).

**DIRECTIONS FOR USE:** It is recommended that the *W-33* be added directly to the mixing water. **Dosage is 1 quart (32 ounces) per bag of Portland Cement (2080 ml per 100 kg). Add 16 oz. per 100 lbs. of hydrated lime (1040 ml per 100 kg).** Higher dosage rates will improve both bond strength and absorption reduction.

**CAUTIONS:** *W-33* integral water repellent should be tested and evaluated with actual materials and blending processes to gauge overall performance and compatibility with mix components. *W-33* will reduce penetration and may affect related intercoat adhesion of subsequently applied water-based stains, paints, or topcoats. *W-33* is water based and will freeze at 32° F. Material may be completely restored by thawing at room temperature and mechanically agitating thoroughly. *W-33* should be stirred before using if the material has set for an extended period (3-6 months).
GHS HAZARD RATINGS: WARNING:

![Warning Icon] Irritant: Respiratory Tract Irritation / Skin Irritation  ![Warning Icon] Harmful to Aquatic Life

FIRST AID: Refer to product S.D.S. (Safety Data Sheet) for complete health and safety information before using this product. FOR MEDICAL EMERGENCIES ONLY –CALL INFOTRAC AT 800-535-5053.

WARNINGS & SAFETY INFORMATION: W-33 is relatively safe to use. Keep containers closed. Avoid ingestion, skin and eye contact and inhalation of the spray mist. Keep away from food and drink. Wash hands thoroughly after use and before eating. Do not take internally. FOR INDUSTRIAL USE ONLY. KEEP OUT OF REACH OF CHILDREN.

H.M.I.S. CODES (Hazardous Materials Identification System): HEALTH = 1, FLAMMABILITY = 0, REACTIVITY = 0, PERS. PROT = C Glasses, Gloves, Protective clothing

FREIGHT CLASS: ITEM 33880, Sub 2, Freight Class 55

SHIPPING NAME: Concrete Admixture –Water-based -Not regulated

STORAGE: 40° to 90° F. Protect from freezing. If frozen, product should be thawed but is stable and can still be used.

PACKAGING: 1 gallon (3.78 L), 5 gallon (18.9 L) pails, 55 gallon (208 L) drums, 265 gallon (1000 L) containers.

SHELF LIFE: 1 year stored properly. Depending on storage conditions, the shelf life may be extended.

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Revised 10-02-15