CONCRETE PUMPING AID / PUMP PRIMING LUBRICANT

PRODUCT DESCRIPTION: Specco W-55 is a neutral, biodegradable, lubricating liquid chemical additive designed to allow easier and improved pumping ability of concrete or grouts. The plasticizing properties of W-55 also contribute to reduced slump and air loss through the pump lines, as well as decreased friction and line pressure with hard to pump mixes. W-55 does not contain any formaldehyde, calcium chloride, or any intentionally added chlorides that would result in corrosion of reinforcement steel or contribute to efflorescence formation and is compatible with other concrete admixture components.

BENEFITS / FEATURES: Extends equipment life, increases range and placement of pumped concrete.

COMPOSITION: Viscosity modified sulfonate based solution. W-55 does not contain any calcium chloride or intentionally added chlorides that would initiate or promote corrosion of reinforcement steel, or contribute to efflorescence.

### PHYSICAL PROPERTIES at 70° F (21°C):

<table>
<thead>
<tr>
<th>APPROXIMATE VALUES:</th>
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<tr>
<td>Weight per gallon:</td>
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<td>pH:</td>
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<td>Color:</td>
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<td>Viscosity – Brookfield:</td>
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RECOMMENDED ADDITION RATE FOR USE AS A PUMP PRIMER: W-55 is typically pre-diluted at a rate of 16 ounces (1000 ml) per 5 gallons (18.9 L) of water to prime approximately 50 feet of pump line. Add this solution to the pump hopper just prior to pumping the concrete or grout.

RECOMMENDED ADDITION RATE FOR USE AS A PUMPING AID: W-55 is typically added at a rate of 2-3 ounces per cubic yard (62-125 ml /cubic meter) of concrete or grout. Add W-55 directly to the mixer and allow the material to mix for 2-3 minutes to ensure adequate dispersion. Variations in dosage can be made depending on the mix design component amounts, aggregate gradations, concrete temperature, water to cement ratio, and any additional admixture requirements. For example, if the pumped material already contains a water reducer or superplasticizer admixture, the dosage can typically be decreased to 8-12 ounces (236-354 ml) per 5 gallons of water.

CAUTIONS: W-55 should be tested and evaluated with actual materials and blending processes to gauge overall performance and compatibility with mix components. W-55 is miscible (compatible) with most chloride and non-chloride based accelerators, but these should also be added in separate admixture tanks if possible. W-55 contributes to air entrainment levels. Specco recommends that any separate air entraining agent additions to the concrete mix should be reduced at least 25-50% when using W-55 and the resulting mix should then be checked for accuracy to stay within the desired level. Keep from freezing. If frozen loosen cap, lid or bung and allow solution to thaw and mechanically agitate before using. The solution will be restored and can then be used. W-55 should be stirred before using if the material has set for an extended period (3-6 months).

WARNINGS: Avoid contact with skin and eyes. Wear protective clothing and safety glasses during application. Keep away from food and drink. Do not take internally. Refer to product M.S.D.S. (Material Safety Data Sheet) for further health and safety information. FOR INDUSTRIAL USE ONLY. KEEP OUT OF REACH OF CHILDREN.

H.M.I.S. CODES: HEALTH = 1, FLAMMABILITY= 0, REACTIVITY = 0, PERSONAL PROTECTION = C (GLOVES, GOGGLES, APRON)

SHIPPING NAME: Concrete Admixture Water base - Not regulated

SHIPPING CLASS: ITEM 33880, SUB 2, LTL 55

STORAGE: Ideal storage is between 60° to 80° F. Keep from freezing.
PACKAGING: 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.

LIMITED WARRANTY: This product is warranted to be of merchantable quality when used according to the instruction herein. It is not warranted to be suitable for any purpose or use other than the general purpose for which it is intended. Liability under this warranty is limited to the replacement of the product as purchased, if found to be defective upon inspection by the manufacturer. This limited warranty is issued and accepted in lieu of all other expressed warranties and explicitly excludes liability for consequential damages. Buyer assumes all risk and liability resulting from the use of this product.

Revised – 01-07