WATER REDUCING ADMIXTURE POWDER FOR CONCRETE

PRODUCT DESCRIPTION: Specco W-20P is a low to midrange water reducing admixture for concrete that will provide increased working time, improved placement and finishing properties, reduced shrinkage and bleed water, improved durability and higher overall strengths. W-20P can be used in ready mix, mobile mix, block, precast, prestressed, light-weight and aerated concrete mixes.

BENEFITS:
- Reduces amount of mixing water needed
- Allows higher compressive strengths
- Reduces shrinkage
- Improves mix workability
- Powder allows easy dilution at work site saving freight costs

LEED CREDIT CONSIDERATIONS: Materials and Resources: MR Credits 5.2: Regional materials- Greater than 20% extracted, processed & manufactured regionally at production location: Kankakee Il. 60901 90% Content- Harvested within 500 miles.

COMPOSITION: Calcium Lignosulphonate- low sugar type

PHYSICAL DATA @ 70°F (21 C°):

<table>
<thead>
<tr>
<th>GRADE:</th>
<th>COLOR:</th>
<th>pH @ 20% SOLUTION:</th>
<th>BULK DENSITY: LB./ FT3</th>
<th>% REDUCING SUGARS:</th>
<th>% MOISTURE:</th>
</tr>
</thead>
<tbody>
<tr>
<td>W-20P</td>
<td>Light Brown</td>
<td>5.70 +/- 1.00</td>
<td>35.00</td>
<td>6.50</td>
<td>7.00</td>
</tr>
</tbody>
</table>

TECHNICAL DATA: Specco W-20P is formulated to comply with ASTM C-494 Type A guidelines. W-20P is fully effective and compatible with most concrete admixtures, however, each admixture should be added separately to concrete mix (See Cautions).

DIRECTIONS FOR USE: Specco W-20P may be added to the reduced mixing water or directly to the batch mix while agitation occurs. The following chart provides addition rates for W-20P and corresponding batch water reduction.

<table>
<thead>
<tr>
<th>SUGGESTED ADDITION RATE:</th>
<th>% TYPICAL WATER REDUCTION:</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.10 lb. /100 lb. cement</td>
<td>5%</td>
</tr>
<tr>
<td>0.20 lb. /100 lb. cement</td>
<td>10%</td>
</tr>
<tr>
<td>0.30 lb. /100 lb. cement</td>
<td>15%</td>
</tr>
<tr>
<td>0.50 lb. /100 lb. cement</td>
<td>20%</td>
</tr>
</tbody>
</table>

CAUTIONS: Always add W-20P to the diluting water and mix thoroughly to avoid any un-hydrated brown spots in the final concrete surface. To avoid retarded set properties, do not exceed the 1 lb. / 100 lb. cement dosage recommendation. W-20P is hygroscopic and needs to be kept sealed in closed container and stored away from areas of high moisture. W-20P can entrain air into the concrete mix due to its influence on the surface tension of the water. When using W-20P at high doses, the extra air entrainment generated may not be desired and defoaming agents may be added to eliminate this occurrence. When using any separate air entraining agents with W-20P in the mix, Specco recommends that their addition rate is reduced by half to compensate for the additional air generated from the W-20 P. W-20P is brown in color and is not recommended for use in white colored concrete mixes.
GHS HAZARD RATINGS: WARNING:

IRRITANT
RESPIRATORY TRACT IRRITATION.

WARNINGS: W-20P IS OF A NON-HAZARDOUS COMPOSITION. WHEN MIXING W-20P, THE USE OF AN OSHA OR NIOSH APPROVED DUST MASK OR RESPIRATOR IS RECOMMENDED DUE TO RESIDUAL DUSTING GENERATED DURING THE MIXING PROCESS. ALLOW ADEQUATE VENTILATION DURING USE. FOR INDUSTRIAL USE ONLY. KEEP OUT OF REACH OF CHILDREN. IF INHALATION OR EXPOSURE CAUSES ANY PHYSICAL DISCOMFORT OR IRRITATION THAT PERSISTS, SEEK MEDICAL ATTENTION. 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.

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

SHIPPING NAME: Concrete Admixture powder base - Not Regulated

SHIPPING CLASS: ITEM 42130, Sub 0, Freight Class 50

STORAGE: Ideal storage is between 60º to 80º F. Keep away from high moisture

PACKAGING: 20# Net pail. 50 lb. bag

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

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Revised 01-19-16