

## W-20 P WATER REDUCING ADMIXTURE POWDER

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

**BENEFITS:** REDUCES MIXING WATER AND ALLOWS HIGHER SLUMPS...REDUCES SHRINKAGE...  
IMPROVES WORKABILITY...INCREASES STRENGTH...POWDER SAVES SHIPPING FREIGHT EXPENSES

**COMPOSITION:** Calcium lignosulfonate based powder with minimal sugar, CAS# 8061-52-7

### PHYSICAL DATA @ 70°F (21 C°):

GRADE:	COLOR:	pH @ 20% SOL:	BULK DENSITY-LB./ FT3:	% RED.SUGARS:	% MOISTURE:
W-20P	Brown	7.0 +/- 1.0	40.0	1.8	6.0

**TECHNICAL DATA:** Specco W-20 P water reducer is formulated to comply with ASTM C-494 Type A guidelines. W-20 P water reducer 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-20 P water reducer 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-20 P water reducers and corresponding batch water reduction.

SUGGESTED ADDITION RATE:	% TYPICAL WATER REDUCTION:
0.10 # /100 # cement	5%
0.20# /100 # cement	10%
0.30 # /100 # cement	15%
0.50 # /100 # cement	20%
0.60 # /100 # cement	25%
1.00 # /100 # cement	33%

**CAUTIONS:** Both W-20 P water reducer is hygroscopic and needs to be kept sealed in closed containers and stored away from areas of high moisture. W-20 P water reducer can entrain air into the concrete mix due to its inherent influence on the surface tension of the water. When using W-20 P water reducer 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-20 P water reducer 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-20 P water reducer is brown in color and is not generally recommended for use in white concrete mixes. Specco W-30 P superplasticizer would be a good choice for white mixes since it is white in color as well.

**CAUTIONS (CONTINUED):** Always add W-20 P water reducer to the diluting water and mix thoroughly to avoid any unhydrated brown spots in the final concrete surface. To avoid retarded set properties, do not exceed the 1 lb / 100 lb. cement dosage recommendation

**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)

**WARNINGS (CONTINUED):** 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 powder base - Not regulated

**SHIPPING CLASS:** ITEM 33880, SUB 2, LTL 55

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

**PACKAGING:** 20# Net pail and 220# Net fiber drum

**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.

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