

TYTRO[®] WR 170

Water reducer for shotcrete

Product Description

TYTRO[®]WR 170 is a water reducer developed to be used in shotcrete. TYTRO[®]WR 170 is an aqueous solution of highly purified polycarboxylic acid and carbohydrates.

TYTRO[®]WR 170 contains no added chlorides and complies with AS 1478.1 - 2000 as a Type WR.

TYTRO[®]WR 170 contains no Triethanolamine.

Dispersion

TYTRO[®]WR 170 provides a workable mix with less water resulting in a stronger, less permeable concrete.

Product Advantages

- TYTRO[®] WR 170 is suitable for shotcrete with a range wide range of strengths.
- TYTRO[®] WR 170 can be used in shotcrete to provide initial water cut and dispersion. A Type HWR (Superplasticizer) like TYTRO[®] WR 172 is used in combination with TYTRO[®] WR 170 to provide the required final slump for spraying.
- TYTRO[®] WR 170 is batched at the concrete plant and is dispensed into the mix with the initial mix water.

Application

TYTRO[®]WR 170 is used in wet shotcrete to offer water cut, cement dispersion, strength growth and provide economics to a mix.

Addition Rates

Addition rates of TYTRO[®]WR 170 can vary depending on the application, weather conditions, what other admixtures are used in the mix and grade of concrete.

The typical does range is 200 to 600mL / 100kg of total cementitious.

It is recommended that trials are conducted beforehand to determine the optimum dose rate to suit the shotcrete design.

If further assistance is required, please consult your GCP representative.

Compatibility

TYTRO®WR 170 is compatible with all Portland cements, fly ash and silica fume. TYTRO®WR 170 is very compatible with TYTRO®WR 172, TYTRO®HC 270 and TYTRO®RM 471 and TYTRO®RC 430 to produce high quality, water tolerant shotcrete. All admixtures must be added to the mix separately and not premixed with other admixtures prior to addition.

Packaging and Storage

TYTRO®WR 170 is available in 1,000L totes , 205L drums and bulk. Please consult your GCP representative for a Safety Data Sheet.

North America customer service: 1-877-4AD-MIX (1-877-423-6491)

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