

Description

POLYHEED 852 R is multicomponent mid-range water-reducing admixture, free of chlorides, formulated to produce:

1. Mid-range water reduction (5 to 15%) and an excellent performance through a wide slump range.
2. Increases the setting time of concrete along the recommended dosage range.
3. Improves workability, pumpability and finishing quality, even with cementitious materials and/or mixes that contain fly ash or natural pozzolans.
4. Development of comparable strengths with water reducing and retarding admixtures.
5. Better performance with a wide range of cements, natural pozzolans, fly ash, aggregates and granulated slag.

POLYHEED 852 R meets the requirement of ASTM C494 for water reducing admixtures Type A, retarding admixtures Type B and water reducing and retarding Type D.

Applications

POLYHEED 852 R is recommended for any concrete where extend setting time, workability and superior finish is required, particularly in warm climates. POLYHEED 852 R is recommended for high volumes of concrete that need extended setting and workability.

POLYHEED 852 R can be used with air entraining admixtures, as long as the ASTM, AASHTO and CRD specifications are met.

POLYHEED® 852 R

Mid-range water-reducing and set retarding admixture

Features

- Reduces the content of water for a given slump
- Better setting time characteristics.
- Increase compressive and flexural strength development.

Benefits

POLYHEED 852 R helps produce a quality concrete with the following special benefits:

- Superior workability and pumpability in applications in warm climates with high humidity.
- Consistent performance in concrete with slumps under (25 to 100mm), mid-range slump (150 to 200 mm) and high range slumps.

POLYHEED 852 R is effective, used as a unique additive or as part of a system of additives of BASF.

Guidelines for Use

Dosage

POLYHEED 852 R has a recommended dosage range of 300 to 900 ml for each 100 kg of cementitious material, for most concrete mixtures. BASF does not recommend to use dosages out of the established range without before doing field trials. Contact your local BASF representative to determine the optimum dosage range for your application.

Non-Chloride, Non-Corrosive

POLYHEED 852 R does not contain calcium chloride added or any other chemical agent that contain chlorides, and will neither initiate nor promote corrosion of reinforcing and prestressing steel embedded in concrete.

Technical Data

Physical State	Liquid
Color	Dark Brown
Specific Gravity	1.120 - 1.150 (20-30°C)
pH	8.5 - 10.5 (25°C)

Product Note

The adequate application of the product is responsibility of the user. Any field visit done by BASF personnel has as sole purpose to make technical recommendations and not to supervise or to quality control the job site.

Product: POLYHEED® 852 R

Packaging

POLYHEED® 852 R is supplied in 55 gal (205 L) drums, 275 gal (1040L) totes or by bulk delivery.

Storage

Avoid storing the product under direct contact with sun and in high temperatures.

Shelf Life

The shelf life of POLYHEED 852 R is of 18 months as a minimum, if maintained in its original containers closed and stored in a dry and fresh area.

Health and Safety

Check the Material Safety Data Sheet (MSDS) for this product.

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