

Description

POLYHEED 947 is a ready-to-use high-range water-reducing admixture. It is very effective in the production of concrete with different level of workability for application such as pumping and flat surfaces and that require more refined finishes.

POLYHEED 947 meets the requirement of ASTM C494 standard for retarding admixtures Type A, D and Type G.

Applications

POLYHEED 947 is recommended for any concrete where a high flowability is needed and extend setting time, particularly in warm climates.

POLYHEED 947 can be used for marine concrete structures subject to aggressive environments or are exposed to chlorides or sulphates. Therefore, it can be used for low permeability and durable concretes.

POLYHEED® 947

Mid-range water-reducing and set retarding admixture

Features

- High flowability of the concrete for long periods
- Superior workability and pumpability
- Delayed setting and longer workability
- Minimum thermal peaks

Benefits

POLYHEED 947 helps to produce a quality concrete providing the following special benefits:

- Improves considerably the properties of fresh and hardened concrete
- High ultimate strength
- Better waterproofing and durable concrete
- Concrete with a greater endurance to freeze-thaw cycles, and to scaling caused by defrosting salts.
- Easy to transport for long distances

POLYHEED 947 is effective, used as a unique additive or as part of a system of additives of BASF.

Guideline for Use

Dosage

POLYHEED 947 has a recommended dosage range of 4 to 12 ml for each 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 947 does not contain calcium chloride added or any other chemical agent that contains chlorides, and will neither initiate nor promote corrosion of reinforcing and prestressing steel embedded in concrete.

Technical Data

Physical State	Liquid
Color	Brown
Gravity	1.110 - 1.150 (20-30 °C)
pH	8.4 - 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® 947

Compatibility

- POLYHEED 947 can be used with air entraining admixtures, as long as the ASTM, AASHTO and CRD specifications are met.
- Do not use the POLYHEED 947 admixture with naphtalene base admixtures. Some erratic behaviors in the slump or movement of the slump may occur.

Packaging

RHEOBUILD 947 is supplied in 208 l (55 gal) drums, 1040L totes and by bulk delivery.

Storage

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

Shelf Life

The shelf life of POLYHEED 947 is of 18 months as a minimum, if maintained in its original containers closed and stored in dry and fresh area.

Health and Safety

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

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