



DAYMIX 10

WATER REDUCING / MIDRANGE PLASTICIZING CONCRETE ADMIXTURE

Product Description

DAYMIX 10 is a water reducing, midrange plasticizer that decreases water/cement ratio to increase workability and mechanical properties of concrete.

Advantages

- Increases ultimate strength of concrete.
- Improves workability of the concrete.
- Decreases risk of segregation.
- Due to its water reduction effect, improves the impermeability of the concrete by decreasing the capillary voids in the hardened concrete.
- Provides smooth surface finish for concrete in the formwork without any segregation.
- **DAYMIX 10** is chloride free.

Area of Use

- Ready mixed concrete production (with or without pump)
- Production of various types of concrete such as reinforced, unreinforced, light or heavy concrete
- Floor slabs, foundations.
- Ready mix concrete production
- Slender components with densely packed reinforcement
- Walls, beams and columns

Consumption Dosage

DAYMIX 10 is used 0,3-1,0% of total binder weight.

Method of Application

Aggregates and the binder (cement-silica fume-fly ash-blast furnace slag) should be mixed until obtaining a homogenous mixture. After adding 70% of mixing water into the dry mixture, **DAYMIX 20** should be added into the rest of water and should be mixed properly.

Compatibility with other admixtures

DAYMIX 10 can be combined with the following admixtures. Laboratory tests should be carried out before use.

- Dayplus Air
- Dayplus Antifreeze
- Dayplus WP
- Dayplus Dynamic

Packaging

- 30 kg pail
- 250 kg drum
- 1000 kg container
- Bulk

Storage and Shelf Life

Must be stored at temperatures between +5°C and +35°C. Under proper storing conditions, the product's shelf life is 12 months from production date if kept in original packaging unopened and undamaged. Packaged products must be shaken before use.

Warning

Concrete mix design and admixture dosage should be determined by laboratory tests according to the concrete class and properties.

Safety Measures

Use protective clothes, gloves, glasses and mask compatible with health and safety regulations during the application. Avoid direct contact with eyes and skin during storing and application, in case of contact wash off thoroughly with soap and water, if ingested seek medical attention immediately. Store away from all foodstuffs. Keep away from children. For detailed safety information please consult the product's Material Safety Data Sheet.

Technical Properties

Chemical Base	Polymer based
Color, Appearance	Brown Liquid
pH value	6-10
Density	1,10 ± 0,03 g/cm ³
Chloride Content (%)	< 0,1 (EN 480-10)
Alkaline Content (%)	< 10 (EN 480-12)
Compliance with Standards	ASTM C 494 Type F TS-EN 934-2 Table 3.1 and 3.2

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