



## RE-DOSING CONCRETE ADMIXTURE

**Description:** REDOZ R290 is a concrete consistency regulating reslump admixture that is mixed to concrete on site to improve pumpability and placing of concrete with low consistency.

### Technical Properties:

Chemical Content	Polycarboxylate
Appearance	Liquid
Color	Light yellow
pH	6±1
Density (20 °C)	1.06 ± 0,02 g/cm <sup>3</sup>
Chloride Content (%)	< 0.1
Alkaline Content (%)	< 5
Freezing	-10 °C

### Advantage:

- Improves workability of concrete with low consistency
- Prevents strength loss of concrete
- By improving concrete consistency, it makes pumpability possible.
- It improves the workability and quality of concrete without changing the water/cement ratio.
- Improves workability in fresh concrete without causing segregation.
- Does not contain chloride or any other substances that may cause corrosion.

### Area of Use:

- To restore the consistency of fresh concrete that has lost its viscousness to the desired level.
- In concretes designed with a low consistency, the aim is to facilitate pumpability and placement.
- To prevent fresh concrete from losing its consistency in hot, dry, and windy weather conditions.
- In continuous concrete production requiring high workability and consistency retention, such as ready-mixed concrete.

### Dosage:

REDOZ R290 is used % 0.4-0.7 of total binder. This ratio varies depending on the cement, aggregate, mineral admixtures, water components used in the concrete mix design, as well as the desired fresh and hardened concrete properties. Therefore, before determining the usage ratio, laboratory tests should be conducted according to the expected properties of fresh and hardened concrete, and the mix ratio should be determined based on these tests. When required, the Polystar Co. Technical Support Unit should be consulted.

### Method of Application:

REDOZ R290 is supplied as a ready-to-use liquid additive for fresh concrete mixes. The additive must be added to the concrete before placement. After adding the additive to the concrete in the transit mixer, the mixer is mixed at maximum speed for at least 3 minutes.

### Standards:

- EN 934-2 Table 2

### Compatibility:

REDOZ R290 admixture is compatible with other POLYSTAR plasticizer admixtures used in the same concrete mix.

### Precautions in Application:

- Concrete design and admixture dosage should be determined by prior laboratory tests, according to the desired concrete class and properties.
- If more additives are used than the recommended dosage range, the setting times of the mixture may be longer.

### Cleaning:

REDOZ R290 admixture can be washed with fresh cold water and should not be allowed enter sewers or open bodies of water.

### Packing:

- 30 kg plastic drum
- 250 kg drum
- 1000 kg container



### Storage and Shelf Life:

Must be stored at temperatures between +5°C and +45°C. Under proper storing conditions, the product's shelf life is 24 months from production date if kept in original packaging unopened and undamaged. Packaged products must be shaken before use.

### Security Information:

Use protective clothes, gloves, glasses and mask compatible with Health and Safety regulations during the application. It should not contact skin and eyes. In case it contacts to skin and eyes, rinse it with water and if swallowed ask for medical help. Food and beverage should not be allowed in the application area. It should be stored at the reach out of the children. The Material Safety Data Sheet (MSDS) should be read for detailed information.

