



GIPIX[®] is a third-generation high-range water-reducing resin for artificial stone, cement plaster and polymer tiles. Its high water-reduction capability increases the long-term flexural and compressive strength of concrete, improves mortar filling characteristics and supports production of denser, higher-quality products.

Applications

- Concrete and mortar with a low water-cement ratio
- Precast concrete products
- Artificial stone, antique stone and façade stone
- Low-water-absorption polymer tiles
- Architectural or exposed concrete
- Improving the filling characteristics of concrete and mortar
- Vibrated wall and floor coverings
- Polymer gypsum products

Approvals / Standards

- ASTM C1017 Type II
- ASTM C494 Type G
- ACI 212.3R-16
- INSO 2930

Advantages / Benefits

- Up to 45% higher concrete strength than conventional concrete at equal consistency
- Up to 40% reduction in mortar mixing water
- Can be used with silica fume, fly ash and other pozzolans
- Accelerates concrete and mortar setting in cold weather
- Enables earlier demoulding
- Increases early strength of concrete and mortar
- High performance at low dosage
- Improves the gloss of polymer tiles and cement plaster
- Improves durability of artificial-stone and tile products

Guideline for Use

Mix GIPIX with water and add it after the cement. Because the resin reduces the mortar water demand, do not add excess water; excess water can cause bleeding and segregation.

Dosage

0.1 to 0.9% by weight of cement. Determine the exact dosage from required water reduction, strength and consistency. Rounded aggregate may reduce dosage, while white cement may increase it.

Storage

+2°C to +35°C; store in dry conditions away from direct sunlight.

Packaging

20 kg plastic can / 1100 kg IBC container

Shelf Life

1 year from the date of production in the original packaging.

Health and Safety

- Do not swallow and avoid contact with the eyes.
- In case of accidental contact with the skin or eyes, rinse immediately with plenty of fresh water.
- If swallowed, seek immediate medical attention.
- Refer to the Material Safety Data Sheet (MSDS).
- Non-flammable.

Basis Of Data

Product Information

Chemical base	Polycarboxylate ether
Form and color	Liquid / colorless transparent or transparent yellow
density	1.18±0.05 g/cm ³
pH	7±2
Chloride ion	None



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