

## PROGEL - 10

### Concrete Antifreeze Admixture

#### Description

**PROGEL-10** is a safe and chloride free in liquid form concrete antifreeze admixture used for protecting concrete from frost under low temperature by fast curing properties.

#### Fields of Application

- In cold weather, expected overnight frost and cold periods.
- In cold weather, early strength need conditions.
- For frost protection of cement based interior and exterior plasters.
- Used in where the temperature may drop suddenly,
- Used in where early mold removal is required.

#### Features and Benefits

- Increases frost resistance of concrete under hard weathering conditions.
- Decreases curing time of the concrete.
- Improves early strength of concrete.
- Does not contain chlorides.

#### Technical Data

Content	Special salt content liquid
Color	Transparent yellowish
Appearance	Liquid
Density	1,2 – 1,3 kg/l
pH	6-10
Freezing Point	< -15°C
HS Code	3824.40.00.00.00

#### Application Procedure

##### **Application Method**

**PROGEL-10**, is added to the gauging water 1-2% by weight of cement at the plant or added on the site into the concrete mixer. For getting homogenous distribution in concrete or mortar, it must be stirred fast during 1-2 minutes. When added separately to the freshly mixed concrete, further

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mixing should take place for at least 3 minutes. Before being discharged, the concrete must be visually inspected for even consistency.

### Consumption

Between +5°C to -5°C; 1% by weight of cement. Between -5°C to -10°C; 2% by weight of cement.

### Packaging

30 kg plastic drum

### Shelf Life

12 months in original, unopened package.

### Storage

Store in dry area between +5°C and +35°C. Protect from heat, freezing and direct sunlight.

### Cleanup Information

Clean tools and equipment with water immediately after use. Dried material can only be removed mechanically.

### Cautions / Limitations

- Don not add on dry cement.
- Keep mould and reinforcement free from water, snow and freeze, where required pre-heat to 0°C minimum.
- Prefer wooden moulds.
- Fresh concrete temperature must be at least between +5°C to +15°C.
- It may be harmful with skin contact.
- If **PROGEL -10** freezes in the original package, thaw gradually in a heated environment. Avoid direct flame contact.

### Health and Safety

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**Warning!** Cause eye and skin irritation. If eye or skin contact, get immediate medical attention. If swallowed, do not induce vomiting. Call a physician or poison control center. Never give anything by mouth to an unconscious person.

Wash hands thoroughly after handling. Wear protective clothing, gloves, eye and face protection. Do not eat, drink or smoke when using this product. Take off contaminated clothing and wash it before reuse. Dispose of unused, contents, container and other contaminated wastes in accordance with local, state, federal and provincial regulations.

Keep container closed when not in use. Keep out of the reach of children.

**Limited Warranty:** This product is subject to a written limited warranty which can be obtained free of charge from BAUMERK Company. Please contact with technical service department for further information and support.