

# HIDROMAT

## Admixture for concrete waterproofing

### Technical Feature

Form:	Brown liquid
Dosage:	1.0 - 2.0% of cement quantity
Water reduction:	up to 12%
Bulk density:	1.17 kg. /dm <sup>3</sup>

### Properties

- Liquid admixture for achieving concrete waterproofing,
- No negative influence on the concrete strength characteristics,
- It is mostly used in combination with plasticizers or super-plasticizers,
- It is also compatible with other concrete admixtures: plasticizers, retarded, air-entraining agents and adhesion improvers,
- Free of chlorides.

### Usage

It can be used in process of waterproof concretes for all sorts of building structures, civil engineering and hydro building: foundation slabs and foundations, floor constructions in industrial objects, basins and water reservoirs, and irrigational system channels.

It is recommended for concretes that are exposed to seawater (coast structure) and structures exposed to frost and other chemical aggressions. It is excellent in preventing water capillary movement.

### Dosage

The concrete in which **HIDROMAT** is added should be prepared with machine. The dosage should be done automatically or manually, 1-2% by weight in ratio to cement. **HIDROMAT** is mixed with water. The mixing time with **HIDROMAT** should be longer for 50-100% from the mixing time of concretes without admixtures. The following requirements should be satisfied in preparation of waterproof concrete:

The aggregate should satisfy chemical and physical quality demands anticipated in the concrete standards. The minimal participation of particles smaller than 0.2 mm. together with the cement should be 420 kg/m<sup>3</sup> of concrete mixture. It is recommended to use plasticizer or super-plasticizer. The use of vibration is obligatorily during the application.

### Storage

In original wrapping, in dry place, at temperature of +5 to +45 °C.  
The storage duration is 12 month.

### Packaging

#### Liquid:

- Plastic can: 5 kg. / 10 kg. / 20 kg.
- Metal barrels: 240 kg.
- Plastic Containers: 1000 kg.

#### Also available as Powder concentrate:

- Bags: 25 kg.