



# DRANITE L



## Liquid setting accelerator for projected concrete

### Technical Features

**Physical State:**  
liquid

**Colour:**  
Straw yellow

**Specific weight:**  
about 1.35 kg/l

**Main chemical action:**  
Setting accelerator for  
projected concrete

**Viscosity at 20 °C:**  
150 ± 70 MPa

**Rating:**  
UNI EN 934 - 2  
ASTM C 494 Type G

**Proportion:**  
from 2 to 6 kg per 100 kg  
of cement

**Water solubility:**  
yes

**Weight ratio:**  
3.4 ± 0.1  
SiO<sub>2</sub>: 2.75 ± 0.5 (weight %)  
Na<sub>2</sub>O: 8.1 ± 0.1 (weight %)

**Available in:**



270-kg drum



1,350-kg tank

### DESCRIPTION

DRANITE L is an alkaline liquid setting accelerator additive with a water-repellent effect for making moderately resistant projected concrete, even where high humidity, slight water seepage and infiltration is present.

### APPLICATIONS

DRANITE L is particularly recommended for projected concrete applications in:

- protective and other coatings, waterproofing and temporary coatings for tunnels, shafts, walls, mines, wells, etc.;
- repairing and protecting riverbanks, canals, bulkheads, dam faces, reservoirs, etc.;
- surface reinforcement of sloping and crumbling rock terrain;
- reinforced structural walls, slabs and vaulted ceilings;
- restoring deteriorated structures.

### ADVANTAGES

- Good tensile strength, good resistance to chemically aggressive agents in the environment and decreased concrete permeability;
- shorter application time;
- may be used both in dry and wet applications;
- adjustable proportions depending on use;
- highly thixotropic, increasing projected concrete adhesion and enabling you to decrease the number of coats;
- quickly develops cement hydration heat, even supporting application in low temperatures;
- does not contain chlorides or nitrates.

### INSTRUCTIONS

Dry mix the cement with the aggregates.

Just before application, add DRANITE L to the dry mix in a ratio of 2-6 kg for every 100 kg of cement, based on the desired setting time, percentage of moisture in the foundation and presence of water seepage or infiltration.

DRANITE L may be added via the nozzle.

### Suggestions

If the support surface shows strong signs of water seepage or infiltration, you will need to obstruct it with very quick-setting HYDROPLUG mortar and re-route water by installing appropriate drains.

The mix may set more slowly in low ambient temperatures or at low component temperatures. If your work should be interrupted, it is crucial to prevent water from re-entering the line to avoid hydrating any mix present and clogging the line.

The product is alkaline so it is important to ensure that the concrete does not contain alkali-reactive aggregates. If you need to produce a precision concrete, you should use a highly reactive pozzolana cement additive, such as FILLCRETE (consult with our technical department).

### PACKAGING & STORAGE

- 270-kg drum
- 1,350-kg tank

Stored properly in its original packaging indoors, product ingredients will remain intact for one year.

**Technical Features****Storage:**

12 months

**Noxiousness level in compliance with 88/379 EEC:**

no

**Inflammability:**

no

**Specification Item**

For other work involved in jobs where you anticipate a projected concrete application (guniting), as described in this specification, you should use DRANITE L, a liquid waterproofing setting accelerator additive from DRACO Italiana S.p.A.

Your procedure and equipment should comply with the manufacturer's recommendations (DRACO Italiana S.p.A.), which will provide any required technical assistance upon request.



QUALITA' PER L'EDILIZIA