

## 5.4 Products for plastering & repairs

### DUROLIT Plasticizer that replaces lime



#### TECHNICAL SPECIFICATIONS

Color	Transparent
Viscosity	10-20 cP
Density	1.00±0.04 kg/lit
Application temperature	From +5°C to +40°C
It does not contain any chloridess or other corrosive ingredients	

#### CONSUMPTION

0.2% by (cement) weight for masonry mortars (100ml DUROLIT per 50kg cement) and 0.3% by (cement) weight for plaster mortars (150ml DUROLIT per 50kg cement).

#### STORAGE

Store in places protected from frost, for at least 24 months from production date.

#### NOTES

- Over dosage in ratios over 0.4% by (cement) weight, reduces mortar strength.
- To calculate correctly the necessary quantity, use the special measuring container of 1lt.
- A minimal amount will assist cementitious spackling pastes to move easier through injection machine pumps.
- In case material freezes, bring it to its original state (defrost) and proceed to using it.

#### SAFETY DIRECTIONS

The product is classified as irritant. It is recommended to keep away from the reach of children. Before use, refer to the cautions on the product packaging or the Material Safety Data Sheet.

#### PACKAGING

Carton box with 15 pcs of 1lt each one  
5lt & 20lt containers  
180lt barrel (special order)

#### PROPERTIES

Ready to use, clear liquid plasticizer. It is an admixture that replaces lime and works as curing retardant. It imparts excellent workability.

As an additive to lime and cement mortars, it offers all the advantages and eliminates all the disadvantages of the use of lime for both lime based as well as cement based mortars.

- It increases the adhesion of the fresh mortar to the substrate, the adhesive strength of the building mortar (pic.1), as well as of the brown/base (pic.2) and top coat plasters/renders.
- It prevents bursting and sagging of plaster.
- It does not corrode pipes and rebars. It also does not burn the skin, like lime does.
- It minimizes transportation and storage costs.
- It is compatible with all mixing machines and plastering equipment.
- Use it to keep the construction site clean and tidy. It is environment friendly.
- Its cost is 10 times less than lime.

#### APPLICATIONS

DUROLIT is an essential tool of today's builder since it requires only a small quantity to effectively replace lime to all its applications. Being transparent makes it suitable for top coat plasters.

Use it together with DUROSTOP, D-20, or DUROMAX, at a mixing ratio of 1:3 up to 1:8 with water.

Their addition creates high strength mortars (building mortars for stone, marble and brick, top coat mortars etc).

#### USE

Add DUROLIT during the preparation of the cement mortar. Application ratios of DUROLIT are indicatively mentioned below, for three different mortars:

- **Base coat:** 0.3% of the cement weight (75ml at 25kg of cement)
- **Top coat:** 0.36% of the cement weight (90ml at 25kg of cement)
- **Building or laying mortar:** 0.2% of the cement weight (50ml at 25kg of cement).

	BASE COAT PLASTER	TOP COAT PLASTER	BUILDING OR LAYING MORTAR
SAND	1 m <sup>3</sup>	1 m <sup>3</sup>	1 m <sup>3</sup>
CEMENT	250 kg	250 kg	300 kg
DUROLIT	750 ml	900 ml	600 ml
QUANTITY PER CEMENT WEIGHT	0.3%	0.36%	0.2%



pic. 1



pic. 2