

**isomat**

building quality



## **Concrete and Mortar Admixtures**

## CONCRETE ADMIXTURES

- Plasticizers
- Superplasticizers/high water reducers
- Set Retarders
- Set Accelerators/ Anti-freezing
- Hardening Accelerators



# ADIUM

## Polycarboxylate-based superplasticizers

- New generation superplasticizers
- Small dosage, great effect
- Very high water reduction up to 30% → Significant increase of Compressive Strength
- Great flowability and slump retention → Self compacting concrete, no need for vibration
- Better hydration of cement
- Reduced shrinkage

## New generation super plasticizer for long-distance delivery of concrete

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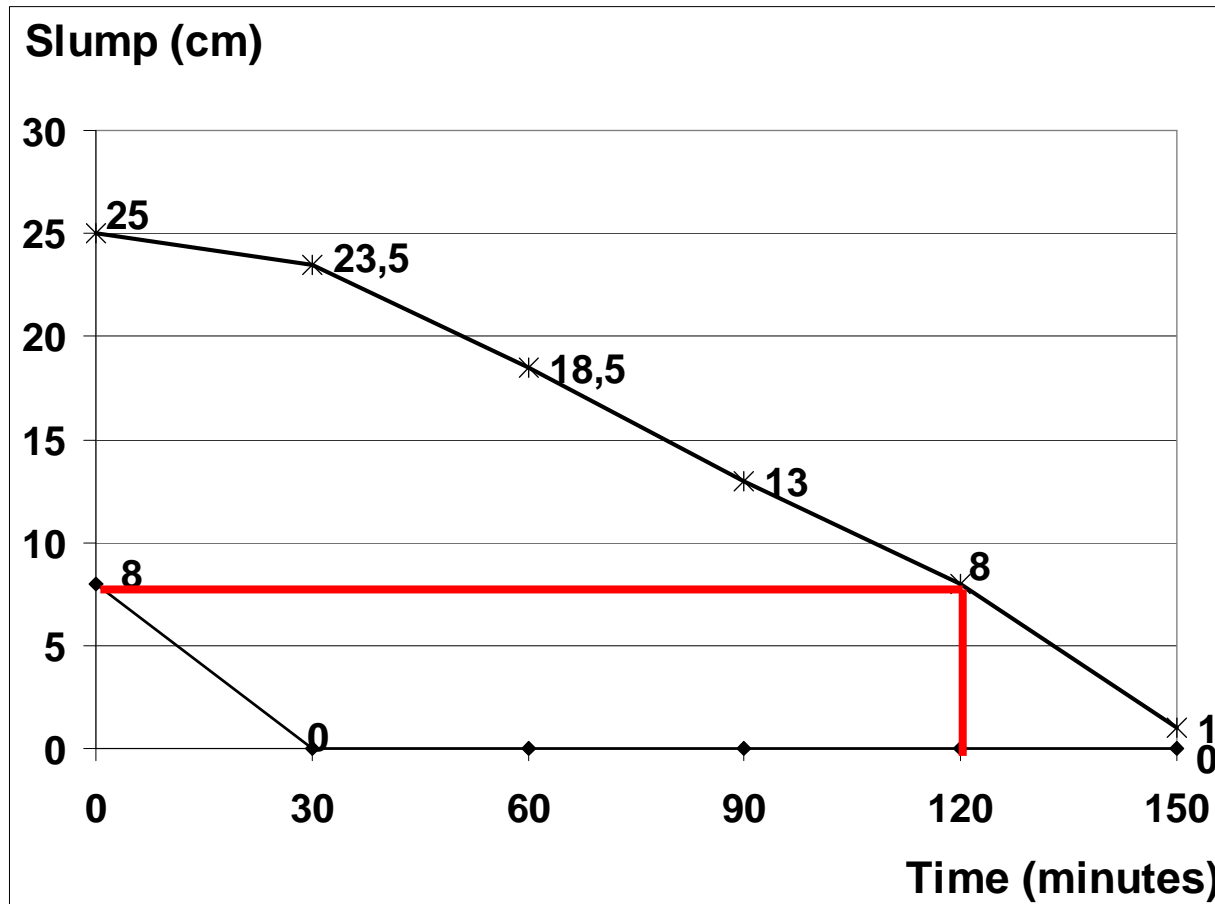
Package: 20kg, 220kg, 1000kg

### Properties

- It is classified as concrete superplasticizer according to ELOT EN 934-2:T11.1 και T11.2
- Necessary for self-compacting concrete
- It improves the workability without need of additional water
- It reduces the water demand up to 20%
- Ideal for long-distance delivery of ready-mixed concrete when long slump retention and workability is required.

# ADIUM 130

Increase and maintenance of concrete's slump by using ADIUM 130



**By adding 0,8% ADIUM 130 the workability is maintained for 2 hours**

## New generation superplasticizer for precast concrete elements

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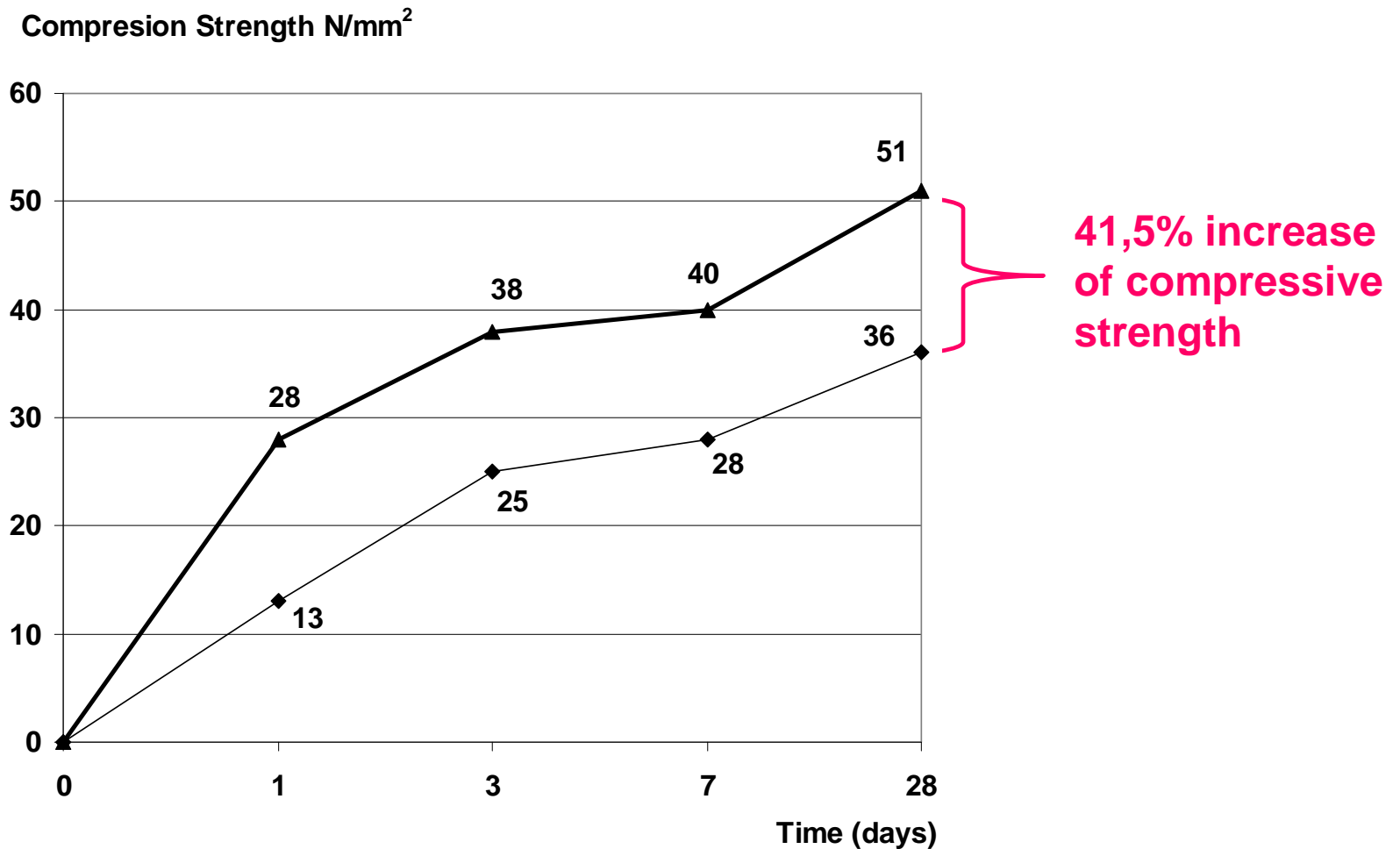
Package: 20kg, 220kg, 1000kg

### Properties

- It is classified as concrete super plasticizer according to ELOT EN 934-2:T3.1 and T3.2.
- Necessary for self-compacting concrete
- It improves the workability without need of additional water
- It reduces the water demand up to 30%
- Ideal for precast concrete elements

**ADIUM 150**

Increase of compressive strength by using ADIUM 150 and reducing mixing water by 22%



## Auxilliary materials for concrete placing

- Formwork deshuttering agent
- Concrete curing agents
- Polypropylene fibers





## Mortar Admixtures

(for plasters, screeds, tile adhesives, tile grouts, non-reinforced concrete ,etc.)

### RESINS

- ADIPLAST
- LATEX
- ADIFLEX-B
- DS-99

### By adding a resin in a mortar

- The bond strength is increased
- The elasticity is increased
- The abrasion resistance is increased
- It becomes more waterproof

### PLASTICIZER/LIME REPLACEMENT

- DOMOLIT & DOMOLIT-TR (when the sand used is from rivers)
- ASOLIT-POWDER (when the sand used is from quarries)

## **Certifications, CE Marking for concrete & mortar admixtures**

CE marking declares the conformity of an admixture acc. to the relevant European Standards EN 934-2 & EN 934-3

It is applied after an independent Notified Body issues a certification based on:

1. Initial inspection of Factory Production Control
2. Approval of the laboratory tests regarding several properties such as compressive strength, air content, alkali and chloride content, setting time etc. and
3. Continuous surveillance, assessment and approval of Factory Production Control related to all characteristics required by the relative standard (EN 934-2 or EN934-3), on an annual basis.

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**Thank you for your  
attention!**