ROKSO
Constructive Chemical Solutions

CONCRETE ADMIXTURES

ROCKRETE 27

PRODUCT CODE : 113

HIGH PERFORMANCE SUPERPLASTICIZER

PRODUCT DESCRIPTION

ROKSO ROCKRETE 27 is a third generation superplasticizer for concrete and mortar.

APPLICATION

ROKSO ROCKRETE 27 is HIGHLY recommended for the high early strength development in concrete, super water reduction and unmatched flow.

ROKSO ROCKRETE 27 is mainly used for the following applications:

- Self Compacting Concrete (SCC)
- Precast concrete
- In situ concrete requiring fast stripping time

CHARACTERISTICS / ADVANTAGES

ROKSO ROCKRETE 27 as a third generation superplasticizer acts by unique chemistry. Through surface adsorption. Which leads to

- ✓ Increased in the early strength development, faster stripping times for precast and in situ concrete
- ✓ Extremely powerful water reduction, resulting in high density, high strength and lesser permeability .
- ✓ Excellent plasticizing effect resulting in improved flowability, placing and compacting behaviour
- ✓ Reduced energy cost for steam cured precast elements . Can be used for AAC Blocks.
- ✓ Especially suitable for the production of Self Compacting Concrete (SCC)

Approval / Standards	IS 9103 – 1999, ASTM C494, EN 934-2 and SIA 262 (2003)
Product Data Form Appearance / Colour	Brownish liquid

TECHNICAL DATA

CHEMICAL BASE	Aqueous solution of modified polycarboxylate
Relative Density	~1.03 kg/l at 25°C
pH Value	= 6

APPLICATION DETAILS

CONSUMPTION / DOSAGE :

- Optimum dosage of **ROKSO ROCKRETE 27** should be determined by site trials.
- Recommended dosage: 0.2 – 2.0% by weight of cementitious material

APPLICATION LIMITATIONS

- **COMPATIBILITY** : **ROKSO ROCKRETE 27** may be combined with many other ROKSO Products.

APPLICATION INSTRUCTIONS

DISPENSING :

ROKSO ROCKRETE 27 HE can be added into the mixing water or directly into the concrete mixer after 50 – 70% of the mixing water has been added. The addition of **ROKSO ROCKRETE 27 HE** to dry aggregate or cement is not recommended. To achieve optimum performance a minimum wet mixing time, which is depending on the mixing conditions and the mixer performance, of 60 seconds is recommended.

CAUTION : Always conduct trials before combining products in specific mixes and contact our Technical Service Department for information about specific combinations.

- **NOTES ON APPLICATION / LIMITATIONS**
  - Excessive water addition or overdosing may cause bleeding or segregation. If frozen and / or if precipitation has occurred, **ROKSO ROCKRETE 27** may be used after thawing slowly at room temperature and after intensive mixing.
  - **VALUE BASE**
    All technical data stated in this Product Data Sheet are based on laboratory tests. Actual measured data may vary due to circumstances beyond our control.
  - **HEALTH AND SAFETY INFORMATION**
    For information and advice on the safe handling, storage and disposal of chemical products, users shall refer to the most recent Material Safety Data Sheet containing physical, ecological, toxicological and other safety-related data.
  - **PACKAGING**
    100 and 200 Kg in HDPE barrels. Storage Storage Conditions / Shelf -Life 12 months from date of production if stored properly in undamaged unopened, original sealed packaging, in dry conditions at temperatures between +10°C and +40°C. Protect from direct sunlight and frost.

Manufactured in INDIA by

ROKSO INDIA PRIVATE LIMITED

AN ISO 9001 : 2015 CERTIFIED COMPANY

ADMN.OFFICE: 605,SAI JANAK CLASSIC,ABOVE MURLIDHAR SWEETS, NEAR FLYOVER BRIDGE, DEVIDAS LANE, BORIVALI (W) MUMBAI-92
REGD OFFICE : 202,MADHUVAN,SHRI KRISHNA COMPLEX,NR.SHRIRAM NAGAR,VIVA COLLEGE RD,VIRAR(WEST) DI :PALGHAR -401303 MS
E-MAIL : info@roksoindia.com / WEB SITE : www.roksoindia.com