



STERLING RockSet® Rapid-3

TECHNOTRADE Rapid Hardening and Quick Setting Admixture
For Plain Cement Concrete and Mortar.
The Specialist Construction Chemical Company

Description:

Sterling® RockSet® Rapid-3 is free flowing colorless high versatile concrete additives in liquid form that causes almost immediate setting and very rapid hardening of Ordinary Portland Cement, concrete and plaster. Sterling® RockSet® Rapid-3 is also used as Antifreeze/deicing compound for plain concrete in subzero climatic conditions.

Application Includes:

Sterling® RockSet® Rapid-3 is recommended for use in the following areas of application

- Underground Structures Like basement, Tunnels etc.
- Emergency repair and stop huge ingress of water through structures such as swimming pool, water treatment plant, reservoir etc.
- Execution of underground waterproofing work which restricts the water ingress for final waterproofing.
- For emergency repair during short duration of shutdown.
- For pointing of leaky joints.

Features & Benefits:

- Sterling® RockSet® Rapid-3 is easy to use versatile concrete additives.
- High Early strengths – Early de-shuttering.
- Very useful product for pre-cast industries.
- Very useful emergency repair in factory.
- Highly useful for stoppage of water ingress through underground structures.
- RockSet® Rapid-3 plays a very vital role for underground waterproofing work.
- Most useful in cold weather concreting, particularly when temperature reaches below zero degree.
- Useful for sealing joints in masonry, cracks/joints in tunnels etc.

Shelf Life:

18 months from the date of manufacturing when stored in unopened, original sealed and dry condition at a temperature range from +5°C to 40°C.

Packaging:

20Kg, 30 Kg, 50Kg & 225 Kg Metal/plastic drums.

Storage:

Keep the containers hermetically sealed and protected from extreme temperatures (store between 15°C and 25°C) for a period no longer than 18 months at 20°C / 50% R.H. The last four digits of the lot number indicated in the tag correspond to the product's manufacturing date (month/year).

Technical Properties:

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| Form | Viscous liquid |
| Colour | Transparent |
| Specific Gravity | 1.2 ± 0.02 |
| Setting time at 30°C | Initial –3 to 5 minutes Final - 10 to 20 minutes |
| Dose | 1:3 or 4 (RockSet® Rapid-3:Cement), but may vary depending on site condition |

Note: Setting time will vary depending on brand and type of cement and ambient temperature.

Application:

Sterling® RockSet® Rapid-3 is diluted with water as recommended below. Before adding the diluted RockSet® Rapid-3, sand and cement is to be mixed thoroughly in dry condition and then the RockSet® Rapid-3 solution is added and mixed thoroughly and quickly so as to avoid stiffening during mixing. For stopping minor leakages and dampness only cement and RockSet® Rapid-3 solution are mixed thoroughly to prepare consistency and applied on the surface immediately.

Health & Safety Instructions:

Protect your health while working with this material, always use safety goggles, gloves and safety clothing. When handling hazardous materials or pressurized materials, or during any application that may result in spills, splashes or airborne particles, a full face shield is strongly recommended. Protect yourself and others on the jobsite. Consider property in proximity of the application area to prevent loss or damage. Protect your jobsite from unauthorized persons. Store all materials and equipment safely and out of reach of children and animals.

Warning! Cause eye and skin irritation. If eye or skin contact, get immediate medical attention. If swallowed, do not induce vomiting. Call a physician or poison control center. Never give anything by mouth to an unconscious person. Wash hands thoroughly after handling.

Observe container labels, SDS, applicable laws and regulations and all instructions before using the product and equipment. In case one of the components comes in contact with the skin, wash thoroughly with soap and water. Provide adequate ventilation in volume and pattern in working area.

*Further protection: emergency showers and eyewash stations. Get immediate medical attention as needed.

Edition: 09/2019/001 Identification No: PD-343
This datasheet supersedes all previous versions.

Disclaimer: The product information & application details given by the company & its agents has been provided in good faith & meant to serve only as a general guideline during usage. Users are advised to carry out tests & take trials to ensure on the suitability of products meeting their requirement prior to full scale usage of our products. Since the correct identification of the problems, quality of other materials used and the on-site workmanship are factors beyond our control, there are no expressed or implied guarantee / warranty as to the results obtained. The company does not assume any liability or consequential damage for unsatisfactory results, arising from the use of our products.

Additional Information: Techno Builders Solutions® By Sterling Technotrade India Pvt.Ltd -The Specialist Construction Chemicals Company® range of associated products includes high performance concrete Admixtures, Adhesives, Protective Coatings, Concrete Repairs, Industrial Flooring, Grouts & Anchors, Joint Sealants, Surface Treatments, curing compounds, repair mortars, release agents, Grinding Aids & Waterproofing.

*Separate datasheet are available on these products.

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