

Technical Data Sheet

ConProtect RF 934

Highly effective anti-corrosion additive for reinforced concrete and concrete repair mixtures

PRODUCT DESCRIPTION

ConProtect RF 934 is a water-based concrete additive specifically designed to protect steel reinforcement against chloride-induced corrosion. As part of the concrete mix, ConProtect RF 934 distributes evenly throughout the concrete, providing effective protection against chloride-induced corrosion.

TYPICAL APPLICATIONS

- Reinforced concrete
- Bridges
- Parking garages
- Highway concrete structures
- Coastal concrete constructions
- Other reinforced concrete structures
- Shotcrete

BENEFITS & ADVANTAGES

- Chemically bonds with the surface of the reinforcement and the cement matrix
- Effectively protects embedded steel reinforcement against chloride-induced corrosion
- Reduces drying shrinkage of concrete

PROPERTIES

Property	Unit	Value
Active Content	%	50
Appearance		White liquid
Density	g/m ³	Approx. 1 (DIN 51757 @ 20 °C)
pH		9,5- 11,5

USE

ConProtect RF 934 should be added directly to the concrete mixture during the mixing process. It is recommended to check the compatibility with other additives or admixtures in advance. Studies conducted by the Swiss Society for Corrosion Protection have proven that ConProtect RF 934 is highly effective in protecting steel-reinforced concrete against corrosion. Additionally, ConProtect RF 934 reduces drying shrinkage in concrete. In some cases, ConProtect RF 934 may slightly delay the early strength development of concrete, but this effect levels out over time.

DOSAGE

ConProtect RF 934 is added to the concrete mixture using automated dosing systems at the batching plant in a quantity of **1% per 100 kg** of total cementitious material. In exceptional cases, depending on specific project requirements, the dosage can be increased up to **2% per 100 kg** of cementitious material. For optimal dosing, we recommend consulting the manufacturer, SL Protection OÜ. For other cement-based materials, such as dry mix mortars, we recommend using **0.2–0.5%** by weight of the total dry mix.

STORAGE

ConProtect RF 934 should be stored at temperatures between +3 °C and +40 °C. The product has a shelf life of at least 12 months if stored in originally sealed containers. Protect from freezing.

HEALTH AND SAFETY

Before using ConProtect RF 934, carefully read its Safety Data Sheet (SDS) to obtain information on safety, toxicology, and proper transportation, storage, and usage. The Safety Data Sheet is available on request via info@slprotection.eu or upon request from your local representative.



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PACKAGING


ConProtect RF 934 is available in 25 kg canister and 920 kg IBC containers.

WASTE DISPOSAL

When disposing of waste, follow local waste management regulations and take hazardous waste to an appropriate collection point.

MANUFACTURER CONTACT

SL Protection OÜ
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1504	
SL Protection OÜ Vana-Narva maantee 30 Maardu, 74114 Harju maakond, Estonia 25	
1504-CPR-0516 EN 934-2:2009+A1:2012	
Water resistant admixture for concrete EN 934-2:T9 ConProtect RF 934	
Chloride ion content	Up to 0.1 % by mass
Alkali content	Up to 0,5 % by mass
Corrosivity	Passed
Compressive strength	Passed
Capillary absorption	Passed
Air content	Passed
Hazardous substances	NPD (No Performance Determined)



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NOTE: All reasonable precautions have been taken in the manufacture of ConProtect RF 934 products to ensure compliance with ConProtect RF 934 high-quality standards. Recommendations and product features are believed to be based on the most reliable information available, and do not constitute recommendations to infringe the rights of other patents. Although all ConProtect RF 934 products undergo rigorous quality testing, no specific guarantee can be given as results depend not only on quality but also on factors beyond our control. Therefore, we are happy to consult with you in case of any doubts regarding the application or the indicators, also pointing out that any oral recommendations other than those given here are not binding without written confirmation from ConProtect RF 934. All transactions are subject to our terms of sale, delivery and service. This data sheet supersedes the previous one, a superseding version can be issued without notice, if necessary. The information on this page is true and reliable to the best of our knowledge. The offered on-site service cannot be taken as responsible supervision. Therefore, our warranty is limited to the quality of the materials supplied.