

ROTEOR M PREMIUM

Synthetic foaming agent | 3%



Roteor M PREMIUM

Chemical description

Roteor M Premium is a synthetic, foam-forming firefighting product designed for producing mechanical foam extinguishers of all foaming grades, using tap water and sea water. Roteor M Premium is a combination of specially selected high-performance surfactants, corrosion inhibitors and anticoagulant agents. This product produces a durable foam resistant to high temperatures.

Applications:

Roteor M Premium is used for the production of heavy, medium and light foam with all available firefighting equipment for class A (solids) and B (liquids immiscible with water) fire.

This product is especially recommended for: fire brigade units, forest services, chemical plants, factories, airports, refineries, etc. Thanks to the use of highly specialized surfactants, Roteor M Premium can be used as a wetting agent in the concentration range of 0.5 to 1%.

Properties

Roteor M Premium is characterized by high durability of foam and resistance to fire relapse. The product can be mixed with similar synthetic extinguishing agents immediately prior to use.

Roteor M Premium is easily biodegradable.



Physicochemical properties

Exterior appearance at room temperature	Blue to green liquid
pH	6.5-9.5
Density at 20° C [g/cm ³]	about 1.058
Solidification temperature [°C]	-15+/- 2
Kinematic viscosity at 20°C [mm ² /s]	max 10
Precipitate [%]	max 0.1

Foam-forming properties (acc. to PN-EN 1568-3)

Parameters	Tap water	Sea water
Total froth (≤ 20)	about 9	about 7.5
Foam condensation: [min]		
25% value (quarter)	about 8	about 5
50% value (half)	about 14	about 10

Warranty

Roteor M Premium can be stored up to 20 years in accordance with manufacturer's instructions. Guaranteed shelf life is 6 years from the date of manufacture. After this period it can be used after checking the parameters compliance with technical requirements.

Certificates

The quality requirements for the Roteor M Premium fire extinguisher are in accordance with PN-EN 1568-3. Roteor M Premium has a CNBOP certificate of approval No. 4598/2022 and a PZH/FT-3832/2021 certificate.

Extinguishing effectiveness according to PN-EN 1568-3:2018:

- IIIC for tap water
- IIID for seawater



PCC EXOL SA

Sustainable technologies for new generations



PCC EXOL SA is a company that combines cutting-edge technologies with rich experience in production of surfactants (surface active agents). The company is located in Brzeg Dolny (Poland), where anionic, nonionic and amphoteric surfactant production plants have been launched. Due to the flexible production processes, the company offers a wide spectrum of surfactants and industrial formulations, which are often suited for the individual customers operating in plenty of various industry sectors. As one of the leading surfactant manufacturers, PCC EXOL SA carries out new investment projects and implements innovative technologies based on the global sustainability trends.

PCC EXOL SA portfolio includes surfactants with a broad range of applications. Besides of the mass production for personal care and detergents industry, the substances produced by PCC EXOL SA also include specialized products used in various branches, such as textile, agrochemical, metal cleaning, oil drilling, building & construction, paints & coatings, paper industry, extraction & drilling, and many others. The company comprehensive portfolio is continuously enriched with new innovative products, which meet even the strictest market requirements and adapt to the individual needs of customers. This is possible due to the dynamic development of the research faci-

A large background image featuring a repeating pattern of light blue and white hexagons. Overlaid on this pattern is a faint, glowing blue molecular structure with interconnected nodes and lines, suggesting a chemical or scientific theme.

PCC EXOL SA combines innovative technologies with experience in designing, producing and selling surfactants and chemical formulations

ties, flexible production, knowledge as well as experienced personnel.

PCC EXOL SA has the key competence necessary for a worldwide production of surfactants. The ongoing projects will soon bring the new opportunities for the company's further development and expansion into new markets. The company offers not only a wide portfolio and professional servicing but most of all flexible production and comprehensive system solutions that meet individual customer demands. The strategic PCC EXOL SA investor is PCC SE, operating on international markets of the chemical raw materials, transport, energy, coal,

coke, petrol, plastics and metallurgy. PCC SE includes 80 companies operating in 39 different locations in 17 countries.



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PUBLICATION

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PCC Exol SA

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