

Description

Renex BC PLUS is a multi purpose dry chemical powder with a good efficiency in fires of Class B, C and E

Renex BC PLUS is based on highly efficient potassium sulphate and made resistant to influence of climatic extremes by means of hydrophobic agents.

Extinguishing Mechanism

Potassium Sulphate powders extinguish flammable liquid fires by interfering with the chemical reactions which are taking place in the combustion zone. These chemical reactions produce "free radicals" which attach themselves to the surface of the powder particles introduced into the flame, thus the flame ceases to exist and the fire is extinguished.

The grinding of the base material to obtain a suitable surface area and particle size distribution is critical to the reaction of the particle surface.

Packaging

Our powders are available in various packaging sizes and styles. For bulk filling, they can be supplied in 25 kilo multiwall paper sacks, stretch wrapped on pallets of 1000 kilo. These packages are suitable for containerised shipments.

Powders can also be supplied in 1000 kilo big-bags to simplify handling and to feed into extinguisher filling machine hoppers. This packaging is also suitable for containerised shipments.

Other sizes is available on request.

Storage

Our powders are formulated not to be affected by long term storage. However, although all powders are stable at low temperatures, there are upper temperature limits for storage which will depend on the chemical nature of the particular powder. As a general guide, temperatures of 50°C should not be exceeded.

Powders should be stored in a dry location in original packaging until required for use.

Shipping Specifications

The following table is intended as an guide for typical size packaging for Renex powders:

	Gross Weight	Dimensions
25 kg multiwall paper sacks per 1000 kg net	1030 kg	100 x 120 x 100 cm
100 kg big-bags	1023 kg	100 x 120 x 100 cm

Technical data

Appearance	A fine, free flowing powder
Apparent density	Minimum 0.98 kg/dm ³
Tap density	1.30 - 1.40 kg/dm ³
Moisture content	Less than 0.20%
Flowability	> 50 g/sec
Specific surface area using Fisher apparatus	3600 - 3200 cm ² /g
Maximum particle size	300 µm
Particle distribution	
Smaller than 40 µm	75-85%
Smaller than 63 µm	85-95%
Corrosion & abrasion effect	Non corrosive or abrasive
Temperature stability range	- 60°C to +50°C C

Quality Control and tests

The powders are manufactured according to European Standard EN 615 (1995). Manufacturing process and quality control system has been approved according to ISO 9002.