

Description

Renex BC Plus is a multi-purpose dry chemical powder with a good efficiency and performance 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.

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 - m
Particle distribution	
Smaller than 40 - m	75-85%
Smaller than 63 - m	85-95%
Corrosion & abrasion effect	Non corrosive or abrasive
Temperature stability range	-60°C to +50°C

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.

Quality control and approvals

Renex powders are manufactured and tested according to European Standard EN615 (1995). Manufacturing process and quality control system has been approved to ISO 9002.

Packaging

Renex powders are available in a range of pack sizes and styles. Renex BC Plus powder can be supplied in 25 kilo multiwall paper sacks, PE transparent plastic wrapped on pallets of 1000 kilo. These packages are suitable for containerized shipment. Powders can also be supplied in 1000 kilo Big Bags to simplify handling and to feed into extinguisher filling machine hoppers. This type of packaging is also suitable for containerized shipment.

Storage

Renex 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 specification

The following table is intended as a guide for typical size packaging for Renex BC Plus powder.

Nett weight (kg)	Gross wt (kg)	Pallet dimation (cm)
40x25kg sacks 1000 kg	1030	110x110x100
1000 kg bags	1023	100x120x100