



SINTO K 4S is a concentrate containing synthetic surfactants, particular stabilising substances and solvents.

This foam concentrate produces a stable foam with high mechanical resistance and it assures excellent extinguishing performance.

Thanks to its employment flexibility, SINTO K 4S is suitable for use with nozzles, low, medium, high and very high expansion foam generators, for the rapid coverage of surface areas, or for the total flooding of confined spaces.

The use of foam at medium and especially high expansion, is particularly indicated whereas the distribution of the water or foam at low expansion could cause damage.

SINTO K 4S can be used with mobile or fixed equipment, both with fresh or sea water, for extinguishing class A fires (inflammable solids) and class B fires (hydrocarbons).

Other Characteristics

- SINTO K 4S allows foam production with a variable expansion ratio from 2 to 1000:1 (standard) and from 2000:1 (very high expansion)
- The foam has excellent adhesive qualities to walls and, therefore, of cooling the surface with which it comes into contact
- The product can be used at the concentration of 2% as a wetting agent (fires of class A) and from 3 to 6% as an extinguishing agent (fires of class B hydrocarbons) utilising every type of foam equipment (low, medium and high expansion)
- The product is non-toxic, non-corrosive and easily biodegradable
- Freezing point $\leq -10^{\circ}\text{C}$

SINTO K 4S is type approved by RINA

SINTO K 4S is type approved by the Italian Ministry of Interior

SINTO K 4S is type approved by the Ministry of Interior, Hungary

SINTO K 4S is type approved by the Ministry of Interior, Croatia

SINTO K 4S is type approved by the Ministry of Interior, Uzbekistan

SINTO K 4S is type approved by the Ministry of Interior, Czech Republic

SINTO K 4S is type approved by the Ministry of Interior, Slovak Republic

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PRODUCT NAME	SINTO K 4S
CLASSIFICATION	SYNTHETIC
TYPE	STANDARD
APPEARANCE	Brown Newtonian liquid
CONCENTRATION OF USE (% v/v)	2 ÷ 6
FREEZING TEMPERATURE (°C)	≤ - 10
VISCOSITY + 20°C (mm ² /s)	≤ 20
SPECIFIC GRAVITY AT +15°C (g/ml)	1.05 ± 0.02
pH VALUE AT + 20°C	7.5 ± 0.5
SEDIMENTS (%)	≤ 0.1
COMPATIBILITY WITH POWDERS	Good
MINIMUM TEMPERATURE OF USE (°C)	- 5
MAXIMUM STORAGE TEMPERATURE (°C)	+ 60 Continuous

FOAMING CAPACITY

As for all the foam concentrates, the foaming capacity widely depends on the efficiency of the various equipment used and the operational conditions.

When tested to the ISO 7203/UNI 9493/EN 1568 specifications at the concentration of 4%, the product gives the following performances:



EXPANSION RATIO ≥ 9

25% DRAINAGE TIME ≥ 9 MIN

STORAGE

SINTO K 4S is a stable product and, if suitably stored in the original packing, it has a shelf-life of at least 10 years.

ENVIRONMENTAL INFORMATION

SINTO K 4S is biodegradable. The concentration and its solutions can be normally disposed of in a biological treatment plant.

PRODUCT STANDARD PACKING AND CODE

PACKING	CANISTER	DRUM	TANK
NOMINAL CAPACITY (l)	30	220	1050
DIMENSIONS (mm)	375 x 284 x 397 H	581 D x 935 H	1200 x 1000 x 1155 H
CONTAINER TARE (Kg)	1.5	8.5	63
MATERIAL	HIGH DENSITY POLYETHYLENE HIGH MOLECULAR WEIGHT	HIGH DENSITY POLYETHYLENE HIGH MOLECULAR WEIGHT	HIGH DENSITY POLYETHYLENE GALVANISED STEEL
CONTAINER APPROVAL	UN 3H1/Y1.8/250	UN 1H1/Y1.9/200	UN 31HA1/Y/(1)F
NET CONTENTS (Kg)	27	214	1070
SINTO K 4S CODE	1807210025	1807210200	1807211000



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