



THADHANI[®]
The Experts in Safety... Since 1947

**FILM FORMING FLUORO PROTEIN FOAM
FLUORO PROTEIN FOAM**

FFFP 3%

FFFP 6%

FP 3%

FP 6%



PRODUCT DESCRIPTION

DOUZ FFFP /FP (FILM FORMING FLUORO PROTEIN FOAM CONCENTRATE) is made from hydrolyzed Protein Foam Compound, fluoro-chemical surfactants, foam stabilizers, and special type of antifreeze solvents & preservatives which imparts the material good performance and long storage. DOUZ FFFP/FP is suitable for use on non-polar fires hydrocarbon based. The strong blanket prevents the release of fuel vapor and water content in the foam provides cooling effect.

FEATURES

- Strong foam blanket, Stable & Heat Resistant, Resistant to Re-Ignition
- Long shelf life, usable as pre-mix
- Sub-zero pour point
- No Detergent
- Biodegradable
- Excellent fuel shedding property
- Quality not affected by freezing / thawing
- Compatible with fresh / sea water and with dry powder, other foam agents and suitable for use as twin agent

METHODS OF APPLICATIONS

- Low & medium expansion branch pipes and monitors
- Fog sprinklers and monitors
- Top pouring and sub - Surface injection foam / Water sprinklers

HIGH RISK PROTECTION

Civil and military aviation's, oil refineries, offshore oil platforms, oil tankers, bulk fuel oil storage etc.

TECHNICAL DATA AND SPECIFICATIONS

TEST PARAMETERS	FFFP 3%	FFFP 6%	FP 3%	FP 6%
pH VALUE	6.0-8.0	6.0-8.0	7.0 ± 1.0	7.0 ± 1.0
SPECIFIC GRAVITY	1.08 - 1.15	1.08 - 1.15	1.08	1.08
VISCOSITY (CST)	≤ 20	≤ 20	≤ 20	≤ 20
VISUAL EXAMINATION	Dark Brown Color	Dark Brown Color	Dark Brown Color	Dark Brown Color
EXPANSION AT 27± 5° C	6.00 – 10.00	6.00 – 10.00	6.00 – 10.00	6.00 – 10.00
SPREADING COEFFICIENT (DYNES/CM), MIN	(+) ve	(+) ve	(+) ve	(+) ve
25 % DRAINAGE TIME AT 27± 5° C, MIN	120 sec	120 sec	120 sec	120 sec
FIRE CONTROL TIME (MAX)	180 sec	180 sec	180 sec	180 sec
FIRE EXTINCTION TIME (MAX)	240 sec	240 sec	240 sec	240 sec
BURN BACK TIME (MIN)	480 sec	480 sec	480 sec	480 sec

INDUCTION RATE

- DOUZ FFFP/FP 3% (3 parts of concentrate and 97 parts of water)
- DOUZ FFFP/FP 6% (6 parts of concentrate and 94 parts of water)

STORAGE AND SHELF LIFE

If stored in original container, 5 years guaranteed shelf-life. Freezing/Thawing does not change the quality. Recommended storing temperature 40°C or above.

MATERIAL OF CONSTRUCTION

DOUZ FFFP/FP concentrates have neutral pH and generally no corrosion problem will occur with metals or plastic. Recommended construction materials are stainless steel (Type 304 or 316), high density cross linked polyethylene (HDPE) or reinforce polyester (Isophthalic) polyester resin, epoxy resin) with a vinyl ester resin internal layer coating (50-100 mils). Fittings in foam concentrate pumps and valves may be made from Brass (Red Brass, normal Brass) bronze or gunmetal.

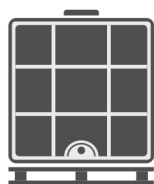
PACKAGING



Jerrycan
20/30 Liter



Drum
200 Liter



IBC
1000 Liter

APPROVALS



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