



WATERPROOFING
COMPLIMENTARY PRODUCTS

LIQUIDS

M I D D L E E A S T

SOPRA-MOUSSE ZERO

**FOAMING AGENT
TO GENERATING LIGHT WEIGHT AERATED CONCRETE**

TECHNICAL DATA SHEET SMZERO_190507SME1E001

DESCRIPTION

SOPRA-MOUSSE ZERO is a high quality, low dosage foaming admixture used to produce light weight aerated concrete of low densities ranging from 300 to 1000 kg/m³. Produced concrete can provide excellent thermal insulation with thermal conductivity of less than 20% of the normal concrete mix. SOPRA-MOUSSE ZERO helps generate LWFC with significant strength, high flow ability and ease of pumping.

USER APPLICATIONS

- Generating LWFC
- Slope creation
- Provides minor thermal insulation properties
- Provides minor acoustic insulation properties

INSTALLATION GUIDELINES

Depending on:

- Cement type
- Specified compressive strength
- Specified Density
- Concrete usage and application method

An average dosage is 1 L of SOPRA-MOUSSE ZERO to 1 m³ of cement. The above parameters have to be studied carefully prior to proceeding with dosage. Please consult SOPREMA local technical office for more information.

SUSTAINABILITY, HEALTH & ENVIRONMENT

All our activities & growth target sustainable development to minimize the impact on the environment. SOPRA-MOUSSE ZERO does not contain any substances that might be detrimental to health or to environment and complies with generally accepted health standards.

STORAGE AND HANDLING

- Store in shaded and ventilated area at a temperature of 25 °C. Do not freeze
- Keep containers well closed.

DOSAGE

As actual performance differs according to work conditions and effectiveness of machines, we recommend to start testing production by use of 200ml SOPRA-MOUSSE ZERO for every 50kg of cement.

QUALITY CONTROL

SOPREMA has always attached the highest importance to quality control. For this reason, we operate an internationally recognized quality system meeting ISO 9001 standards independently monitored and certified.

RESTRICTION

- Avoid prolonged skin & eye contact
- Wear safety equipment and protect eyes with goggles
- Use clean water to irrigate splash
- Do not allow the product to creep into sewage or contaminate soil or ground water

SHELF LIFE

12 Months from the date of manufacturing.

Zero chloride content

Easy to use

Consistent foaming capabilities

Compatible with all types of cement

Compatible with all foam generating machines

Complies with ASTM C869

■ SOPREMA may modify the composition and/or utilization of its products without prior notice.

■ All products manufactured by SOPREMA for Manufacturing Waterproofing Materials LLC. comply with the description & properties indicated in the technical data sheet that was current on the date of manufacture.



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PACKAGING & SUPPLY

PROPERTY		SOPRA-MOUSSE ZERO
Physical State		Liquid
Packing		200 L drums

TECHNICAL PROPERTIES

PROPERTIES		SOPRA-MOUSSE ZERO
Appearance		Yellow to Brownish color semi viscous liquid.
PH of 1% Solution		7 ± 0.5
Solubility		Easily soluble in water
Flammability		Non Flammable
Approximate specific gravity @25 °C		1.03
Toxicity		Non Toxic
Chloride Content		Nil
Shelf Life		12 months if kept in originally closed container at normal ambient temperature.
Density		1.034 ± 0.05 g / cc

MIXING RATIO

Density Kg/m ³	Sand Kg	Cement Kg		Water Kg	SOPRA-MOUSSE ZERO DOSAGE / Liter
400	-	300		125	0.65
600	-	450		180	0.30
800	-	600		240	0.20
850	375	375		150	0.30
1000	500	400		160	0.30
1200	800	350		140	0.30

(All values are nominal)
NOTE: Higher dosage of SOPRA-MOUSSE ZERO may incur an increase in air entrapment and concrete strength reduction.
It is recommended to measure the suitable dosage ratio based on trials on equipment and type of cement it's being applied on.

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