



PRODUCT DATA SHEET

TECHNICAL DATA SHEET 67142012ME001
SUPERSEDES: TECHNICAL DATA SHEET SMZERO-190507SMEIE001

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.

STORAGE & HANDLING

Must be stored away from source of ignition. Wear necessary Personal Protective Equipment.

USER APPLICATION

SOPRA-MOUSSE® ZERO can be used in single ply or 2-ply, vertically and horizontally in substructure and superstructure applications. All the application guidelines are described in SOPREMA® Technical Manuals in force.

ADVANTAGES

- 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

SHELF LIFE

Material will have a 12 months shelf life if stored in a dry and properly ventilated area, sheltered from the elements or any harmful substances. Material shall be adequately protected from environmental impacts to the properties or the performance of the membrane.

HEALTH, SAFETY & ENVIRONMENT

The product does not contain any substance likely to be detrimental to health or to the environment and complies with generally admitted Health & Safety Requirements. For further information please refer to relevant Material Safety Data Sheet (MSDS).

TRACEABILITY

Product traceability is ensured through a manufacturing identification present on the packaging.

QUALITY MANAGEMENT

SOPREMA always recognises as a high level of importance the quality of the products, the environment and safety. For this reason, we operate independently monitored Quality Management Systems in line with ISO 9001:2015.



COMPOSITION & PACKAGING

PROPERTY	SOPRA-MOUSSE® ZERO
Physical state	Liquid
Packaging	20 L Pails

TECHNICAL PROPERTIES

PROPERTY	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

*Note: All products manufactured by SOPREMA comply with the description and properties indicated in the technical data sheet that was current at the date of manufacture.
Data is represented by average values, unless noted otherwise.
All values are nominal.*

MIXING RATIOV

Density Kg / m³	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

*The dosage of SOPRAMOUSSE ZERO as per the below chart has been mixed alone separately to generate Foam.
Do not add the SOPRAMOUSSE ZERO directly to the foam generating machine along with water as it will dilute further resulting in no foam generation.
The best results are achieved by mixing cement water slurry to the foam in batches.*

TESTING AND CERTIFICATIONS



SUSTAINABILITY AND ENVIRONMENT

