STICKSON 5 KG

SOUNDPROOFING

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ACOUSTIC MEMBRANE FOR VIBRATION ABSORPTION

STICKSON 5 KG is made of viscoelastic bitumen masses that are used for vibrational damping and for adding mass to buildings or industrial facilities.

PRODUCT CHARACTERISTICS

STICKSON 5 KG	
THICKNESS	3.5 mm (1/8 in)
DIMENSIONS	1 m × 10 m (39 in × 33 ft)
WEIGHT	Approx. 50 kg (110 lb)
SURFACE	Polypropylene film
UNDERFACE	Silicone release film
COVERAGE RATE	10 m^2 (108 ft^2)

PHYSICAL PROPERTIES

HERE ARE THE THREE ESSENTIAL ACOUSTIC PROPERTIES OF STICKSON 5 KG:

ADDED MASS

This increases the insulation of a wall from acoustic waves (theoretical mass law – 6 dB gain in acoustic insulation per doubling of the basis weight of the substrate).

DAMPENED VIBRATIONS

This occurs by dissipating mechanical energy in the form of heat through internal friction between the viscoelastic material molecules. This significantly reduces wearing phenomena, such as crack formation or increased gaping in mechanical systems.

INTRINSIC MATERIAL PROPERTIES

STICKSON 5 KG has a very high resonance frequency, which can increase the sound reduction index to the critical frequency of the material it is attached to (mass-spring-mass principle).

APPLICATIONS

- Reducing part of the impact noise on sheet metal, metal housings, collecting channels, hoppers, conveyors, crushers, etc.
- Dissipating vibrational energy of metallic structures, such as machine housing shields, pipes for transporting granules and window mullions.
- Strengthening acoustics of supports by eliminating insulation losses in relation to the resonance frequency (mass-spring-mass).
- Increasing sound reduction index by mass effect on gypsum, steel, aluminum, PVC or particle board walls, roller shutter boxes, etc.
- Damping vibrations by applying pieces on metal objects, such as bathtubs, stainless steel sinks, metal desks and drawers.
- The ambient temperature during application should be between 59 °F and 86 °F (between 15 °C and 30 °C).

WARRANTY

SOPREMA soundproofing products are guaranteed against all manufacturing defects and to be suitable for all stated uses. SOPREMA's liability under this guarantee is limited to replacing or refunding the purchase price of SOPREMA soundproofing products found to be defective.

If you have any questions about this product or its installation, please contact your SOPREMA representative.