



SOUNDPROOFING

TECSOUND CLG 3900

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ACOUSTIC ACRYLIC COMPOUND FOR WALLS AND CEILINGS



TECSOUND CLG 3900 is a solvent-free, single-component, acrylic compound used as a sound deadening product. It acts as a decoupling material using mass-spring-mass principle by changing the vibration frequency of the assembly, reducing the transmission of airborne noise (ASTM E90) and impact noise (ASTM E492).



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QUALITY



TECSOUND

CLG 3900

ACOUSTIC ACRYLIC COMPOUND FOR WALLS AND CEILINGS

BENEFITS

- Quick and easy to apply;
- Ideal for home remodeling projects and also suitable for new construction;
- Low or no odour at all after curing;
- Contains no hazardous substances;
- Always remains flexible to maintain its acoustic properties.

PRODUCT FEATURES

	TECSOUND CLG 3900
CONTAINER	828 ml (28 oz) cartridge
COLOUR	Blue
COVERAGE	2 cartridges/assembly of 1.2 m × 2.4 m (4 ft × 8 ft)
UNITS PER BOX	12
APPLICATION TEMPERATURE	40 °F to 90 °F (4 °C to 32 °C)
WORKING TEMPERATURE	32 °F to 122 °F (0 °C to 50 °C)
CURING TIME	24 to 48 hours
VOC CONTENT	< 1%
SOLIDS CONTENT	65%
FLAME SPREAD (ASTM E84)	20 (Class A)
SMOKE DEVELOPMENT (ASTM E84)	25 (Class A)
IN-CLOSED FLASHPOINT (ASTM D93)	>154 °F (68 °C)
DENSITY AT 68 °F (20 °C)	1.2 kg/L (8.5 lb/US gallon)
VISCOSITY AT 77 °F (25 °C) (BROOKFIELD)	100 000 cP at 4 rpm

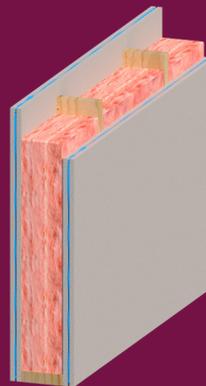
STC PERFORMANCE COMPARISON WITH AND WITHOUT TECSOUND CLG 3900



STC = 38*

Two gypsum boards of 16 mm on each side without TECSOUND CLG 3900

(*Result from the W2a assembly of the National Building Code of Canada, 2015 edition)

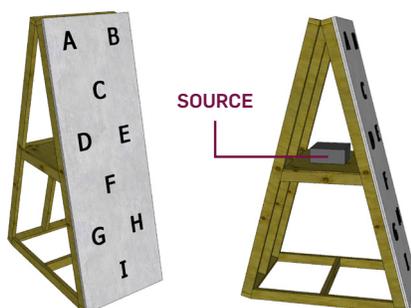


STC = 49

Two gypsum boards of 16 mm on each side with TECSOUND CLG 3900

COMPARISON OF VIBRATION TRANSMISSION WITH AND WITHOUT TECSOUND CLG 3900

The impact of TECSOUND CLG 3900 on vibration transmission was tested on the assembly illustrated below.



RESULTS

	RMS ACCELERATION (M/S ²)*
WITHOUT TECSOUND CLG 3900	1.037
WITH TECSOUND CLG 3900	0.897

*Average of points A to I, and of 17 frequencies between 50 and 2,000 Hz

These results mean an overall average reduction of 13.5% of vibration transmission, with reduction peaks up to 33% for certain frequencies, thanks to the addition of TECSOUND CLG 3900.

This reduction in vibration transmission is reflected in an assembly by an improvement in the STC index.

RECOMMENDED SUBSTRATES

Can be used on most wall and ceiling surfaces (gypsum boards, OSB, and plywood).

SURFACE PREPARATION

Surfaces must be dry, clean and free of any oil, grease, debris or dirt.

APPLICATION

1. Cut off the end of the cartridge and screw the nozzle onto it. Cut the nozzle tip at about 6 mm (¼ in).
2. Apply compound using a regular large size caulking gun of 828 ml (28 oz).
3. Two complete cartridges should be applied per panel of 1.2 m × 2.4 m (4 ft × 8 ft).
4. Position the panel on the floor with the back facing up and dispense beads of **TECSOUND CLG 3900** in a uniform and random pattern on the entire surface of the panel, which will then be screwed to the other one already in place on the wall or ceiling (Fig. 1). Keep a distance of about 5 cm (2 in) from the edges to avoid overflow of the product when the board is later screwed in place.
5. As soon as the product has been applied, attach the treated panel to the installed panel surface using appropriate fasteners.
6. Fasten screws as per local building code.

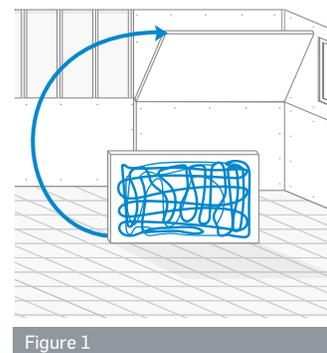


Figure 1

NOTES

- The application temperature varies between 4 °C and 32 °C (40 °F to 90 °F);
- **TECSOUND CLG 3900** will remain soft when dried;
- Do not use for exterior applications.

CLEANING

Tools can be cleaned with soap and water.

STORAGE AND HANDLING

Do not expose the product to temperatures below 0 °C (32 °F). **TECSOUND CLG 3900** has a shelf life of 18 months when properly stored in the original container.

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.

