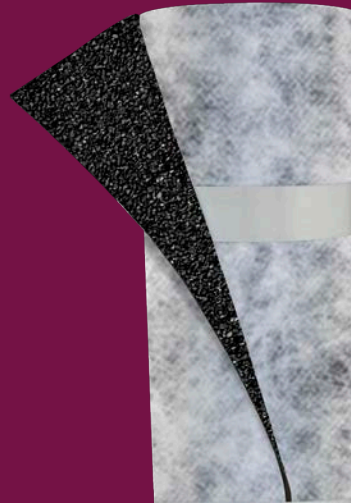




SOUNDPROOFING

SILENTCRETE

FLOOR SOUNDPROOFING SYSTEM



SILENTCRETE is an acoustic membrane made of elastomeric bitumen and recycled rubber. SILENTCRETE was developed specifically for use under a layer of about 38 mm (1½ in.) of self-levelling concrete.

BENEFITS

- Provides structural waterproofing while self-levelling concrete is poured.
- Prevents a too-rapid evaporation of water in the self-levelling concrete to improve curing.
- Resistant to crushing; conserves its acoustic properties.
- Contributes to LEED points due to its recycled material content.

SURFACE PREPARATION

SILENTCRETE membrane is unrolled on the wooden deck. The deck must be free of all debris, such as wood chips, screws, nails, or any other debris that may puncture SILENTCRETE membrane during self-levelling concrete pouring. Generally, a good cleaning should do the trick. You must also make sure that there are no screws or nails on the sill sides on which the SILENTCRETE membrane will be installed.

INSTALLATION METHOD

Although not required, at least 5 °C is preferred as it permits a better sealing of the joints. Ideally, rolls should also be conditioned to this temperature prior to installation.

Install the SILENTCRETE membrane with the rubber facing down, to the floor.

Begin SILENTCRETE installation at the walls. The first roll of SILENTCRETE is turned up onto the wall no less than 50 mm (2 in). Do this on all the walls and divisions in order to have a granulated surface between the walls and the self-levelling concrete that will be applied.

Lay subsequent rolls, edge to edge and seal the joint with construction adhesive tape such as "Tuck Tape".

The roll end joints are done in the same way.

When you reach the opposite wall, it is necessary to apply the SILENTCRETE membrane no less than 50 mm (2 in) up the wall, in order to ensure a granulated surface between the walls and the self-levelling concrete.



2 DIFFERENT SITUATIONS

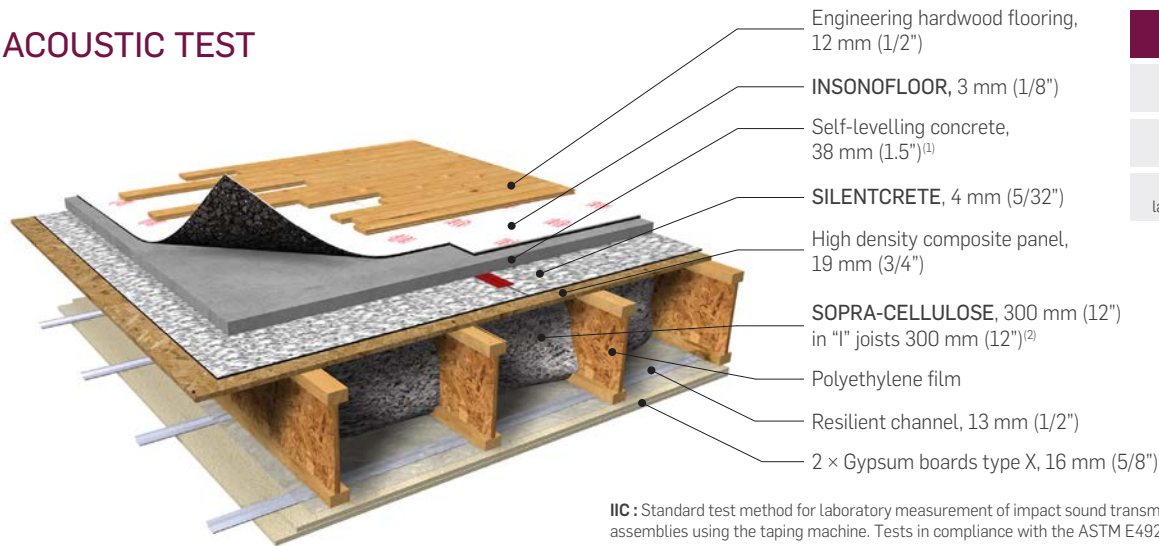
Situation 1 : Before Building Divisions

Install as described above and pour 32 to 38 mm (1 ¼ to 1 ½ in) of self-levelling concrete on the surface. Once the self-levelling concrete has hardened, cut the exceeding membrane at the perimeter of the self-levelling concrete, to its level. It's recommended that you apply acoustic sealant on the SILENTCRETE membrane edge, where the wall and self-levelling concrete meet, before installing the drywall.

Situation 2 : With Sill Plates In Place Before Pouring Self-levelling Concrete

Install as described above and up the sills as well and then pour 32 to 38 mm (1 ¼ to 1 ½ in) of self-levelling concrete on the surface. Once the self-levelling concrete has hardened, cut the exceeding membrane at the perimeter of the self-levelling concrete, to its level. It's recommended that you apply acoustic sealant on the SILENTCRETE membrane edge, where the wall and self-levelling concrete meet, before installing the drywall.

ACOUSTIC TEST



PROPERTIES*

IIC 62

STC 62

Note: Test performed on laboratory on a complete floor

IIC : Standard test method for laboratory measurement of impact sound transmission through floor-ceiling assemblies using the tapping machine. Tests in compliance with the ASTM E492-09 standard.

STC : Standard test method for laboratory measurement of airborne sound transmission loss of building partition. Tests in compliance with the ASTM E90-09 standard.

*IIC and STC results are presented for information purpose only. Equivalent performance cannot be guaranteed by Soprema.

(1): According to us, the use of 32 mm (1 ¼ in) of self-levelling concrete or use of any type of concrete will not have a significant influence on the acoustical results.

(2): According to us, the use of web open joists will not have a significant influence on the acoustical results.

When the SILENTCRETE membrane is turned up onto the wall, it creates a basin that retains water when the self-levelling concrete is pouring. This detail also creates a noise barrier between the self-levelling concrete slab and the wall structure.

PRODUCT CHARACTERISTICS

DIMENSIONS	39 in × 39 ft	(1 m × 12 m)
COVERAGE	127 ft ²	(12 m ²)
THICKNESS	5/32 in	(4 mm)
WEIGHT	Approximate 42 lbs	(19 Kg)

WARRANTY

SOPREMA soundproofing products are guaranteed against all manufacturing defects and are 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.

