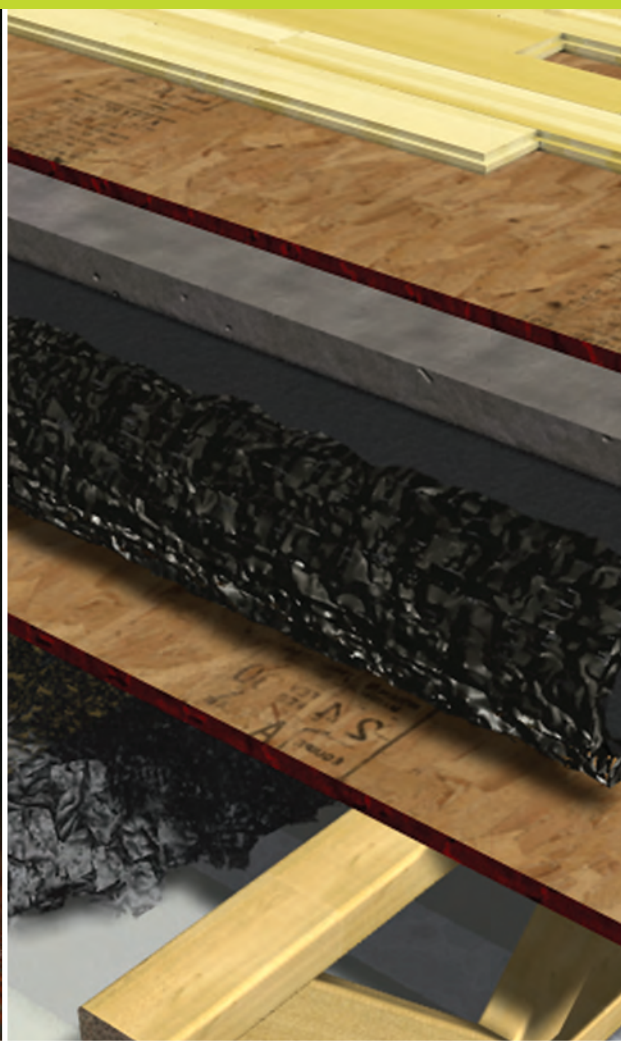
INSONOMAT

FLOOR SOUNDPROOFING SYSTEM

RESISTOSOUND SOUNDPROOFING PRODUCT LINE

BENEFITS

- Provides structural waterproofing while concrete is poured
- Prevents a too-rapid evaporation of water in the concrete to improve curing
- Applies and seals well with an easy-to-use adhesive strip
- Resistant to crushing; conserves its acoustic properties
- Contributes to LEED points due to its recycled material content



INSONOMAT is an acoustic membrane made with a base of elastomeric bitumen and recycled rubber. INSONOMAT was developed specifically for use under a layer of 38 mm (1½ in.) concrete. INSONOMAT could also be effective without concrete. This is a unique product. What follows are its key application details.

A solution from

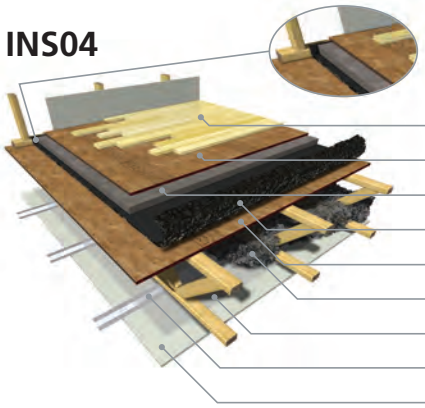
RESISTO SOUND®

Soundproofing products

INSONOMAT

FLOOR SOUNDPROOFING SYSTEM

INS04

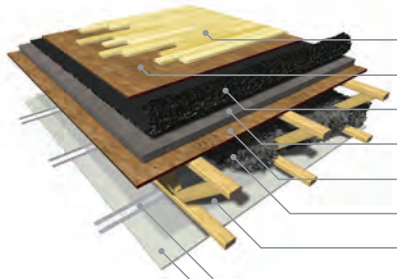


When the ISONOMAT membrane is turned up onto the wall, it creates a basin that retains water when the concrete is pouring. This detail also creates a noise barrier between the concrete slab and the wall structure.

- Hardwood flooring 19 mm (3/4 in)
- High density composite panel 16 mm (5/8 in)
- Concrete slab 38 mm (1 1/2 in)
- Insonomat 15 mm (9/16 in)
- High density composite panel 16 mm (5/8 in)
- Blow wool 152 mm (9/16 in) in 330 mm (13 in) open joists
- Polyethylene film
- Resilient channel 13 mm (1/2 in)
- Fire-retardant gypsum board 16 mm (5/8 in)

Properties*:	
FIIC	65
FSTC	62
Note :	Test performed on-site on a complete floor

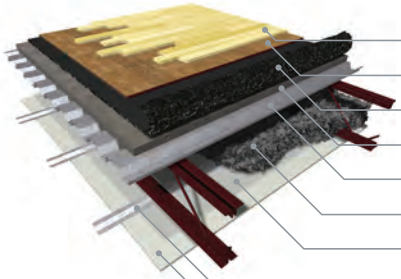
INS01



- Hardwood flooring 19 mm (3/4 in)
- High density composite panel 16 mm (5/8 in)
- Insonomat 15 mm (9/16 in)
- Concrete slab 38 mm (1 1/2 in)
- High density composite panel 16 mm (5/8 in)
- Blow wool 152 mm (6 in) in 330 mm (13 in) open joists
- Polyethylene film
- Resilient channel 13 mm (1/2 in)
- Fire-retardant gypsum board 16 mm (5/8 in)

Properties*:	
FIIC	62
FSTC	56
Note :	Test performed on-site on a complete floor

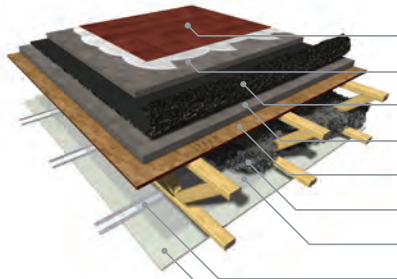
INS05



- Hardwood flooring 19 mm (3/4 in)
- High density composite panel 16 mm (5/8 in)
- Insonomat 15 mm (9/16 in)
- Concrete slab 38 mm to 76 mm (1 1/2 in to 3 in)
- Structure and steel deck
- Blown or batt insulation 152 mm (6 in)
- Polyethylene film
- Resilient channel 13 mm (1/2 in)
- Fire-retardant gypsum board 16 mm (5/8 in)

Properties*:	
FIIC	59
FSTC	N/A
Note :	Test performed on-site on a floor sample (3 ft × 3 ft)

INS06



- Ceramic Tile
- Lightweight concrete slab 38 mm (1 1/2 in)
- Insonomat 15 mm (9/16 in)
- Concrete slab 38 mm (1 1/2 in)
- High density composite panel 16 mm (5/8 in)
- Blow wool 152 mm (6 in) and open joists
- Polyethylene film
- Resilient channel 13 mm (1/2 in)
- Fire-retardant gypsum board 16 mm (5/8 in)

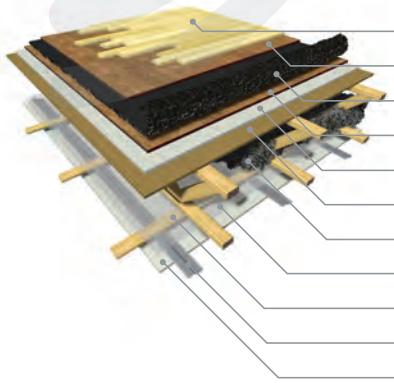
Properties*:	
FIIC	60
FSTC	56
Note :	Test performed on-site on a complete floor

Note : 19 mm (3/4 in) hardwood flooring can be replaced by engineered hardwood flooring.

INSONOMAT

FLOOR SOUNDPROOFING SYSTEM

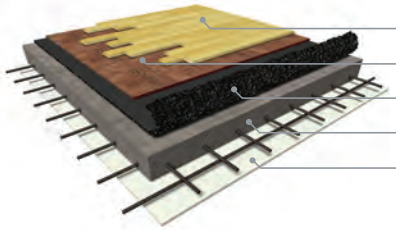
INS07



Hardwood flooring 19 mm (3/4 in)
High density composite panel 16 mm (5/8 in)
Insonomat 15 mm (9/16 in)
Composite panel 16 mm (5/8 in)
Fire-retardant gypsum board 16 mm (5/8 in)
Wood fibreboard 13 mm (1/2 in)
Blow wool 152 mm (6 in) and open joists
Polyethylene film
Wood furring strips 19 mm (3/4 in)
Resilient channel 13 mm (1/2 in)
Fire-retardant gypsum board 16 mm (5/8 in)

Properties*:	
FIIC	61
FSTC	55
Note :	Test performed on-site on a complete floor

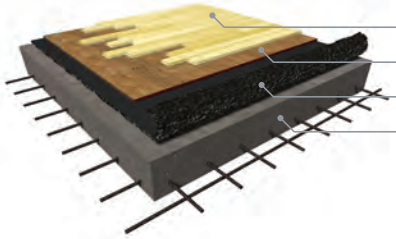
INS03



Hardwood flooring 19 mm (3/4 in)
High density composite panel 16 mm (5/8 in)
Insonomat 15 mm (9/16 in)
Concrete slab 127 mm (5 in)
Fire-retardant gypsum board 16 mm (5/8 in)

Properties*:	
FIIC	61
FSTC	N/A
Note :	Test performed on-site on a floor sample (3 ft × 3 ft)

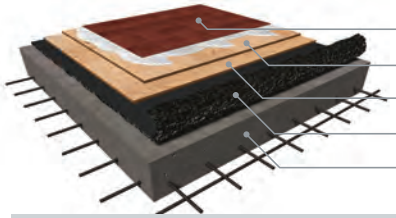
INS08



Hardwood flooring 19 mm (3/4 in)
High density composite panel 16 mm (5/8 in)
Insonomat 15 mm (9/16 in)
Concrete slab 200 mm (8 in)

Properties*:	
FIIC	61
FSTC	60
Note :	Test performed on-site on a floor sample (4 ft × 4 ft)

INS09



Ceramic Tile
Plywood 16 mm (5/8 in)
Plywood 16 mm (5/8 in)
Insonomat 15 mm (9/16 in)
Concrete slab 200 mm (8 in)

Properties*:	
FIIC	59
FSTC	60
Note :	Test performed on-site on a floor sample (4 ft × 4 ft)

PRODUCT CHARACTERISTICS*

Dimensions:	0.91 m × 8.3 m	(36 in × 27 ft)
Coverage:	7 m^2	(75 ft^2)
Thickness:	Approximate 15 mm	(9/16 in)
Weight:	Approximate 33 Kg	(73 lbs)

Product pending approval by the CCMC *(Canadian Construction Materials Centre)*

FIIC : *Field Impact Insulation Class*
Tests in compliance with the ASTM E007-11 and ASTM E989-11 standards
FSTC : *Field Sound Transmission Class*
Tests in compliance with the ASTM E336-11 and ASTM E413 standards

* FIIC and FSTC results are presented for information purpose only. Equivalent performance cannot be guaranteed by Resisto and Soprema.

INSONOMAT

FLOOR SOUNDPROOFING SYSTEM

SURFACE PREPARATION

Insonomat 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 Insonomat during 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 Insonomat will be installed.

INSTALLATION METHOD

Although not required, at least 50 °C is the ideal for better bonding of the self-adhesive side lap joints. Ideally, rolls should also be conditioned to this temperature prior to installation.

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

Begin INSONOMAT installation at the walls. The self-adhesive strips of the first lengths go to the wall. Apply the entire self-adhesive strip and no less than 40 mm (2 in) of the regular surface to the wall surface. Do this on all the walls and divisions in order to have a granulated surface between the walls and the concrete to be applied.

Lay subsequent lengths one by one, using the self-adhesive, non-granulated overlaps.

When coming to roll ends, the edge of the new roll must join with, but not overlap, the previous one. Seal the joint with construction adhesive tape such as "Tuck Tape".

When you reach the opposite wall, it is necessary to apply the membrane about 5 cm (2 in) up the wall, in order to ensure a granulated surface between the structure and the concrete.

2 DIFFERENT SITUATIONS

Situation 1: Before Building Divisions

Install as described above and pour 38 mm (1½ in) of concrete on the surface. When it has set, cut away the membrane to the top of the concrete at the perimeters. It's recommended that you apply acoustic sealant on the INSONOMAT edge, where the wall and concrete meet, before installing the drywall.

Situation 2: With Sill Plates In Place Before Pouring 1½ in Concrete

Put 12,5 mm (½ in) strips of plywood over the sill plates before installing membrane. The sill plates then act as your reference point for the depth of the concrete. Install as described above and up the sills as well and then pour 38 mm (1½ in) of concrete on the surface. When the concrete has hardened, cut away the membrane to the top of the concrete at the perimeters. It's recommended that you apply acoustic sealant on the INSONOMAT edge, where the wall and concrete meet, before installing the drywall.

WARRANTY

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

PEACE OF MIND
RELAXING
COMFORT
PEACEFUL HOME

SOPREMA
1.877.626.6688
www.soprema.ca

RESISTO
1.877.478.8408
www.resisto.ca

AR204_092014