



SOUNDPROOFING

SOPRAWAY

NG2

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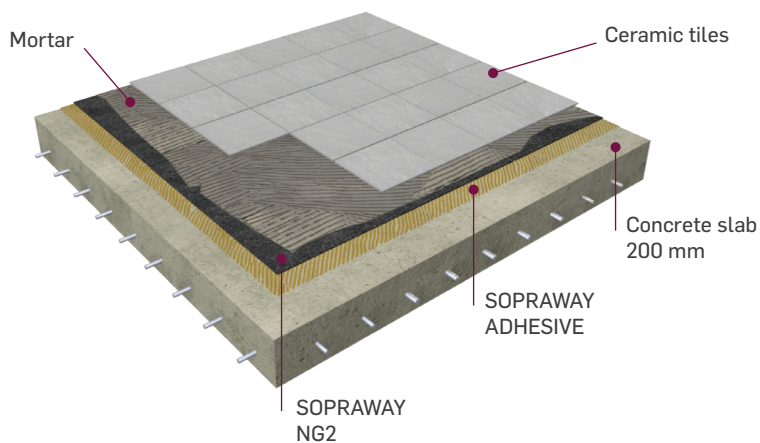


ANTI-FRACTURE ACOUSTIC MEMBRANE FOR CERAMIC TILE FLOORS



The SOPRAWAY NG2 membrane allows the direct application of polymer-modified mortar for any type of tiling. Made of 100% recycled rubber, SOPRAWAY NG2 membrane can block the spread of cracks in the concrete slab, and offers excellent acoustic performance.

For installation where waterproofing characteristics are required, first install the INSONO AF3, and then apply the SOPRAWAY NG2 membrane over it.



SNG2-01





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NG2

ANTI-FRACTURE ACOUSTIC MEMBRANE
FOR CERAMIC TILE FLOORS



BENEFITS

- Reduces impact and airborne noises
- 100% recycled content
- Designed with Leed® philosophy in mind
- Fast and easy installation with no need for special tools
- Accept standard thin set mortars

PRODUCT CHARACTERISTICS

| SOPRAWAY NG2 | |
|--------------|--|
| THICKNESS | 3/16 in (4 mm) |
| DIMENSIONS | 36 in x 25 ft (0.91 m x 7.6 m) |
| COVERAGE | 75 ft ² (7 m ²) |
| WEIGHT | 51 lbs (23.1 kg) |

QUALITY

TECHNICAL PROPERTIES

| | |
|------------------------------|---|
| Anti-fracture test | In accordance with ANSI 118.12-2010 Standard, Par.5.4 |
| Thermal resistance (R-value) | 0.26 |
| Hardness – ASTM D2240-2003 | 50 Shore A |

ROBINSON TEST

- Ceramic tiles of 12 in x 24 in (30.5 cm x 61.0 cm) and grout with sand and polymers (joints of 1/8 in [0.3 cm])
- Polymer-modified cement glue
- SOPRAWAY NG2 membrane adhered to the substrate with MAPEI ECO 185
- Concrete slab 2 in (5 cm)

RESULT

Cycle 6: Residential and light commercial (offices, reception areas, kitchens and bathrooms).

INSTALLATION METHOD

- SOPRAWAY NG2 is glued to wood or concrete decking with a powerful glue, for example SOPRAWAY ADHESIVE from SOPREMA.
- The ceramic is then installed on the SOPRAWAY NG2 after a 24-hour curing period of the adhesive, using ceramic mortar like KER 121 or KERABOND/KERALASTIC from MAPEI, or P-151 from Proma. For large-format tiles (24 in x 24 in or more), use ceramic mortar PRO P-151 SF from Proma.

SURFACE PREPARATION

WOOD

Make sure the surface is free of all debris, such as nails, screws or any other construction rubbish that may damage the product once the floor finish is applied on the product. Generally, a good cleaning is enough to prepare the surface. If it is a wood decking, the existing OSB or plywood panel must be doubled before applying the SOPRAWAY NG2, i.e. another panel must be placed over the existing one. The total thickness of the two layers should be at least 3.2 cm (1¼ in).

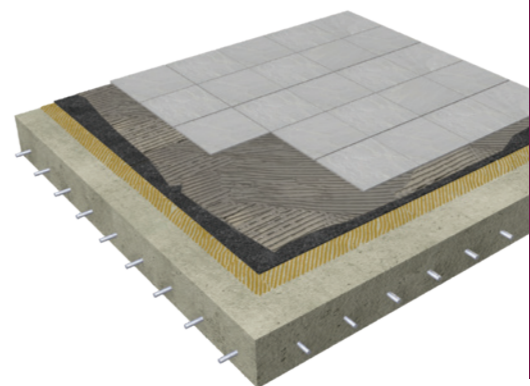
CONCRETE

Make sure the surface is free of all debris, such as nails, screws or any other construction rubbish that may damage the product once the floor finish is applied on the product. Generally, a good cleaning is enough to prepare the surface. The concrete must have a curing period of at least 28 days before applying the membrane. If the membrane must be installed in a shorter period, the moisture content in the slab must not exceed 3 lb/1000 ft² (1.46 kg/100 m²) within 24 hours. This reading can be done with a test such as the calcium chloride one.



LIMITATIONS

- Do not use on wooden boards, wood fibreboards, OSBs, oil-treated plywood, lauan plywood, Masonite boards, covering surfaces, such as self-adhesive tiles or surfaces laminated with fibreglass, metal or other materials.
- Not recommended for exterior surfaces.
- Do not use on vertical surfaces.
- Do not use premixed products for bonding the tiles to the surface of SOPRAWAY NG2.
- Do not use on cracks larger than $\frac{3}{8}$ in (10 mm).



ACOUSTIC PERFORMANCES

ASSEMBLY SNG2-01

| ASSEMBLY | LABORATORY TESTS | | FIELD TESTS | |
|--|--------------------|-----------------------|---------------------|---------------------|
| | STC ⁽¹⁾ | IIC ⁽²⁾ | ASTC ⁽³⁾ | AIRC ⁽⁴⁾ |
| Assembly SNG2-01 | 56 | 48 ($\Delta=20$) | 53-56 | 53-57 |
| Assembly SNG2-01 + drop ceiling (1 layer of drywall $\frac{5}{8}$ in (15 mm)) | — | — | — | 62 |
| Bare concrete slab 8 in (20 cm) | 53 | 28 | 53-56 | 28-32 |

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

(2) 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.

(3) ASTC (FSTC) : Field Sound Transmission Class. Tests in compliance with the ASTM E336-11 and ASTM E413 standards.*

(4) AIRC (FIIC) : Field Impact Insulation Class. Tests in compliance with the ASTM E1007-11 and ASTM E989-11 standards.*

*ASTC and AIRC results are presented for information purposes only. Equivalent performance cannot be guaranteed by SOPREMA.

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 product found to be defective.

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

