

# INSONO

## AF3-130

### PRODUCT DATA SHEET

#### DESCRIPTION & FEATURES

INSONO AF3-130 is composed of self-adhesive elastomeric bitumen with an exposed non-woven polyester reinforcement. The underside is surfaced with a protective release film. INSONO AF3-130 is designed for use under ceramic tiles but can also be installed with wood flooring or vinyl planks. INSONO AF3-130 offers sound damping, crack insulation through a concrete slab and waterproofing.

#### STORAGE

Store rolls on end and maintain in an upright position to prevent damage. Store rolls in a clean dry location and cover as necessary to protect rolls from environmental damage such as extreme cold, heat, or moisture.

#### APPLICATION

Prepare surface with INSONO AF3 Primer, ELASTOCOL Stick H<sub>2</sub>O or RESISTO H<sub>2</sub>O Primer, follow drying times indicated on the primer data sheet then install the INSONO AF3-130 membrane. Apply the polymer-modified mortar and install the ceramic tiles. For installations where waterproofing is required, waterproofing strips, such as SOPRASEAL® Stick 1100 must be installed prior to INSONO AF3-130.

APPLICATION



SELF-ADHERED

QUICK FACTS

THICKNESS (mils)	WEIGHT (lbs)	DIMENSIONS (ft)
130 (3.3 mm)	57 (26 kg)	3 x 26 (0.91 x 8 m)



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## TECHNICAL INFORMATION & TESTING

PROPERTIES	
Surface	Non-woven polyester
Underface	Silicone release film
Thickness, mils (mm)	130 (3.3)
Dimensions, ft (m)	3 x 26 (0.91 x 8)
Weight, lbs (kg)	57 (26)

TECHNICAL PROPERTIES			
PROPERTY	STANDARDS	INSONO AF3-130	
Crack-resistant test	ANSI 118.12-2010; par. 5.4	PASS	
Moisture resistant	ANSI A118.12.-4.1.2	PASS	
R value		0.147	
Maximum load	ASTM D5147 Tensile/Elongation	MD	XMD
Elongation at maximum load		10 kN/m	7 kN/m
Elongation break		7%	7%
Cold temperature flexibility, -13°F (-25°C)	ASTM D5147	PASS	
Tear strength	ASTM D4073	360 N	265 N
Water vapor transmission (dry method)	ASTM E96	0.8 ng/Pa•s•m <sup>2</sup> (0.015 perm)	
Surface burning characteristics of building materials	ASTM E84-17 (INSONO AF3-130 + tiles)	Flame Spread Index	Smoke Developed Index
		0	0

MD: Machine direction XMD: Cross machine direction  
(all values are nominal)

## TESTING & APPROVALS

### ROBINSON TEST

#### ASSEMBLY

- 12 in x 12 in (30 cm x 30 cm) ceramic tiles with sand and polymer grout (1/8 in joints)
- Polymer modified mortar
- INSONO AF3-130 membrane applied to substrate
- Primer: SOPREMA ELASTOCOL Stick H<sub>2</sub>O or RESISTO H<sub>2</sub>O Primer
- 2 inch thick concrete slab

#### RESULT

Cycle 6 or 7: Residential and Light commercial (Office space, reception areas, kitchen and bath).

### ACOUSTIC PROPERTIES

ASSEMBLIES	LABORATORY TESTS	
	STC <sup>(1)</sup>	IIC <sup>(2)</sup>
INSONO AF3-130 + ceramic tiles + concrete slab 8 in (20 cm)	56	50

(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.