

## G-SOUND

**DESCRIPTION:** Multilayer waterproof membrane, reducing impact from sound transmission. It consists of a polypropylene sheet with an integrated polypropylene geotextile on the bottom face and a non-woven fibre veil on the top face.

**USE:** Improves acoustic insulation against impact sound transmitted by ceramic tiling. Other functions: decoupling and waterproof protection for both interior and exterior installations.

**STANDARDS:** UNE-EN ISO 10140-1, 2, and 3

**MANUFACTURER:** ESTIL GURU S.L.U.

**REFERENCES:** Presented in rolls individually packaged.



REFS.	DESCRIPTION	SIZE (m)	AREA (m <sup>2</sup> )
IU70000	ROLL G-SOUND	1 x 30	30

### TESTING TABLES:

CHARACTERISTICS		VALUE		
Composition of the top face fiber veil		PP/PES		
Composition of the inner sheet		PP		
Composition of the geotextile on the bottom face		PP		
Color		GREY		
Sheet thickness		1,2 mm		
Weight		0,440 kg/m <sup>2</sup>		
Impact sound reduction		15,2 Db		
Tear resistance L/T		> 7/7 kN/m		
Elongation		> 25%		
Crack bridging capacity		≤ 3 mm		
Adhesion of cement adhesive C2 to the sheet after 28 days (14 days under laboratory conditions + 14 days at 70°C)				
Tensile strength	EN 1348	N/mm <sup>2</sup>	-	≥ 0,7
Shear strength	EN 1324	N/mm <sup>2</sup>	-	≥ 1
Operating temperature		-30°C / +80°C		

### INSTALLATION ACCESSORIES:

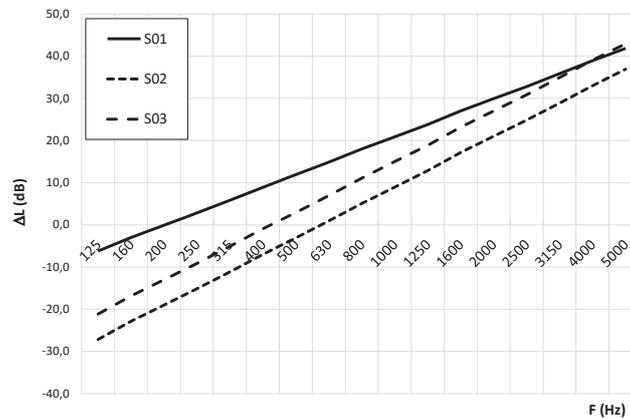
IGU6400   W-S MASTIC	MS polymer adhesive sealant for bonding and waterproofing sheets together or to other elements of the structure.
IG61000   W-S BAND 14	Joint covering tape: WATER-STOP sheet tape for covering joints between sheets, preventing sound bridges, and providing waterproofing.

## IMPACT SOUND REDUCTION TEST:

### CALCULATIONS ACCORDING TO UNE-EN ISO 12354-2: 2018

#### Reduction of impact sound pressure level $\Delta L$ as a floating floor

f (Hz)	$\Delta L$ (dB)		
	S01	S02	S03
100	-9,1	-31,0	-25,0
125	-6,2	-27,2	-21,1
160	-3,0	-22,9	-16,8
200	-0,1	-19,0	-13,0
250	2,8	-15,1	-9,1
315	5,8	-11,1	-5,1
400	9,0	-7,0	-0,9
500	11,9	-3,1	2,9
630	14,9	0,9	7,0
800	18,0	5,1	11,1
1000	20,9	9,0	15,0
1250	23,8	12,8	18,9
1600	27,0	17,1	23,2
2000	29,9	21,0	27,0
2500	32,8	24,9	30,9
3150	35,8	28,9	34,9
4000	39,0	33,0	39,1
5000	41,9	36,9	42,9



#### Weighted reduction of impact sound pressure level $\Delta L_w$ for floating floors

S01: Floating floor made of mortar	$\Delta L_w$ (dB): 15,2	$m'$ (kg/m <sup>2</sup> ): 220	$f_0$ (Hz): 201
S02: Dry floating floor (PLASTERBOARD)	$\Delta L_w$ (dB): 8,1	$m'$ (kg/m <sup>2</sup> ): 25	$f_0$ (Hz): 597
S03: Dry floating floor (Wood)	$\Delta L_w$ (dB): 6,3	$m'$ (kg/m <sup>2</sup> ): 50	$f_0$ (Hz): 422

The calculations shown are based on Standard UNE-EN ISO 12354-2: 2018, Annex C, concerning floating floors. These data are indicative and must be experimentally verified.

IMPACT SOUND REDUCTION:

15,2 dB