

G-SOUND PREMIUM

DESCRIPTION: Multi-layer structure waterproof membrane that reduces impact sound transmission. It consists of a polypropylene sheet with an integrated polypropylene geotextile on the underside and a non-woven fibre veil on the top side.

USE: Enhances acoustic insulation against impact sound transmitted through ceramic coverings. Other functions: decoupling and waterproof protection for both interior and exterior applications.

STANDARDS: UNE-EN ISO 10140-1, 2 y 3.

MANUFACTURER: ESTIL GURU S.L.U.

REFERENCES: Supplied in rolls individually packed.



REFS.	DESCRIPTION	DIMENSIONS (m)	SURFACE AREA (m²)
IU70100	ROLL G-SOUND PREMIUM	2 x 10	20

TEST TABLES:

CHARACTERISTICS			VALUE	
Composition of the top side fiber veil			PP/PES	
Composition of the interior sheet			PP	
Composition of the geotextile on the underside			PP	
Color			GREY	
Sheet thickness			2,5 mm	
Weight			0,580 kg/m²	
Impact noise reduction			19,8 Db	
Tear resistance L/T			> 7/7 kN/m	
Elongation			> 25%	
Crack bridging ability			≤ 3 mm	
Adhesion of C2 cement to the sheet after 28 days (14 days under lab conditions + 14 days at 70°)				
Tensile strength	EN 1348	N/mm²	-	≥ 0,7
Shear strength	EN 1324	N/mm²	-	≥ 1
Operating temperature range			-30°C / +80°C	

INSTALLATION ACCESSORIES:

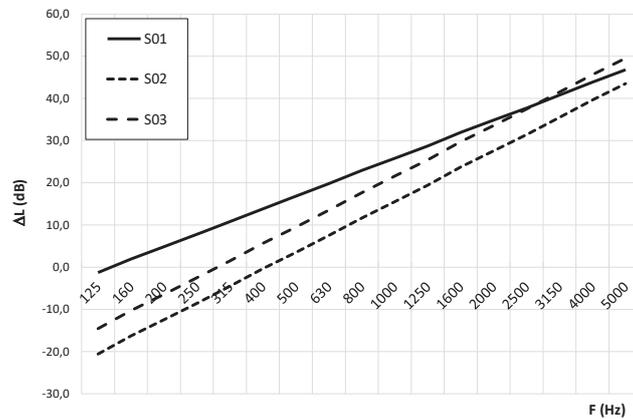
IGU6400 W-S MASTIC	MS polymer adhesive sealant for bonding and waterproofing sheets together or attaching them to other elements of the structure.
IG61000 W-S BAND 14	Joint cover strip: WATER-STOP sheet band to cover joints between sheets, prevent sound bridges, and provide waterproofing.

IMPACT NOISE REDUCTION TEST:

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

Reduction of impact sound pressure level ΔL as a floating floor.

f (Hz)	ΔL (dB)		
	S01	S02	S03
100	-4,2	-24,4	-18,4
125	-1,3	-20,6	-14,6
160	2,0	-16,3	-10,3
200	4,9	-12,4	-6,4
250	7,8	-8,5	-2,5
315	10,8	-4,5	1,5
400	13,9	-0,4	5,7
500	16,8	3,5	9,5
630	19,8	7,5	13,5
800	22,9	11,7	17,7
1000	25,8	15,6	21,6
1250	28,7	19,4	25,4
1600	32,0	23,7	29,7
2000	34,9	27,6	33,6
2500	37,8	31,5	37,5
3150	40,8	35,5	41,5
4000	43,9	39,6	45,7
5000	46,8	43,5	49,5



Weighted reduction of impact sound pressure level ΔL_w for floating floors.

S01: Floating floor made of mortar	ΔL_w (dB): 19,8	m' (kg/m ²): 220	f_0 (Hz): 138
S02: Dry floating floor (PLASTERBOARD).	ΔL_w (dB): 11,6	m' (kg/m ²): 25	f_0 (Hz): 409
S03: Dry floating floor (Wood).	ΔL_w (dB): 11,5	m' (kg/m ²): 50	f_0 (Hz): 289

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

REDUCTION OF IMPACT SOUND:

19,8 dB