

TERRAC[™]

PREMIUM RUBBER UNDERLAY FOR ACOUSTIC INSULATION



DESIGNED AND DEVELOPED BY TERRAIN[®] IN UAE

PROPERTIES AND USES

TERRAC™

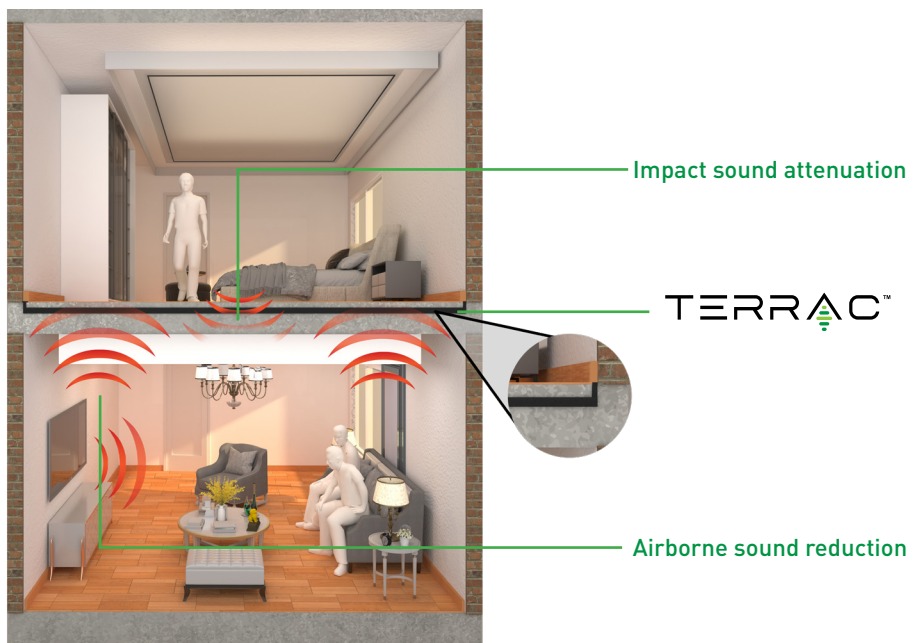
Terrac Acoustic Rubber Underlays offers premium solution to the issue of noise transmission in multi-storied buildings. Terrac effectively reduces interior noises, including those from stereos and voices. It provides optimal sound reduction while maintaining durability and resilience against the elements. It does not become brittle when exposed to air.

Terrac is versatile and can be used beneath various surfaces. It is conveniently available in easy-to-install rolls with different thickness options.

Tested on 152mm concrete floor with upper floor (ceramic/vinyl without screed and ceiling system)

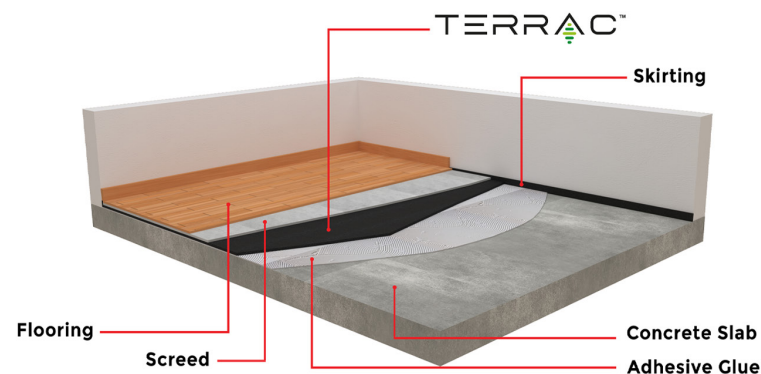
APPLICATIONS

- Industrial buildings and machinery foundations
- Residential, commercial and high-rise buildings
- Gyms, clubs and dancing floors
- Hotels, offices and medical facilities
- Recording studios and movie theaters




TECHNICAL DETAILS & PERFORMANCE


TERRAC™



TEST RESULTS STC (SOUND TRANSMISSION CLASS), IIC (IMPACT INSULATION CLASS) AND Δ IIC AS PER ASTM STANDARD

Standard	Thickness	Flooring	Density	STC	IIC	Δ IIC
 ASTM INTERNATIONAL E90, E492, E2179	3 mm	Ceramic	700	52	51	20
		Vinyl		50	57	24
		Ceramic	950	53	50	20
		Vinyl		51	56	25
	5 mm	Ceramic	700	53	52	21
		Vinyl		52	57	24
		Ceramic	950	52	51	20
		Vinyl		51	56	24

TEST RESULTS R_w (SOUND REDUCTION INDEX), L_n, w (IMPACT SOUND REDUCTION) AND ΔL_w AS PER ISO STANDARD

Standard	Thickness	Flooring	Density	R_w	L_n, w	ΔL_w
 ISO 10140-2, 10140-3	3 mm	Ceramic	700	54	59	16
		Vinyl		53	53	21
		Ceramic	950	54	60	16
		Vinyl		53	53	21
	5 mm	Ceramic	700	54	58	17
		Vinyl		53	53	21
		Ceramic	950	54	59	16
		Vinyl		53	54	19

BENEFITS AND PROPERTIES

TERRAC™

Properties	TUL 03		TUL 05		TUL 10
Density (Kg/m ³)	700	950	700	950	950
Thickness (mm)	3		5		10
Tensile Strength (Mpa)	0.2-0.3	0.8-0.9	0.2-0.3	0.6-0.7	0.8-0.9
Elongation Break (.%)	18-29	44-60	18-29	37-42	62-106
Tear Strength (Kn/m)	3.1-3.6	5.7-7.6	3.1-3.6	5.3-6.1	6.5-7.2
Shore A Hardness	56				
Slip Resistance (Wet pendulum)	Class X				
Slip Resistance (Dry pendulum)	Class F				
Temperature (°C)	-25 to 105				



Excellent
Sound Insulation



Environment
Friendly



High Mechanical
Strength



Resistant to
Mold & Fungi



Prevents Screed
Cracking



Support for
Floor Finishing



Long Lasting
and Durable

TERRAIN.
RESILIENT IN EVERY SENSE

FLOORINGS

Established in 1994, Terrain® Floorings is an ISO 9001 certified manufacturer and installer of resilient flooring solutions that deliver well-being and performance to our users.



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