



HERO Quiet Shield Underlayment Specification – 5mm Thickness 10-2020

<u>Item</u>	<u>Test</u>	<u>Standard</u>	<u>Rating</u>
Sound Transmission Class (STC)*: 8" Concrete *	STC	ASTM 90-04/ E 413-04	56 dB
Impact Insulation Class (IIC)**: 5/8" Plywood, Wood Joist Floor/Ceiling Assembly	IIC	ASTM E492 ASTM E989-06	56 dB
Water Vapor Transmission Rate (WVTR)	Inverted Water g/m ² /24HR	ASTM E96	4.7
Density	Per cubic foot (pounds)	ASTM D3676 Section 12	45
Compression Resistance	@ 25% (cubic foot density)	ASTM D3575 ASTM D3676	65
Compression set	@25%	ASTM D395 78° for 22 hr/then release 24 hr	10.1%
Coefficient of friction	Instron Universal Tester	ASTM 1894	0.84 wet
Durometer	Shore A	ASTM D-2240	45 ±5
Tensile Strength	"Die C"	ASTM 412	95 PSI
Flammability	Pill Test (Methenamine)	DOC-FF 1-70	Passed
Volatile Organic*** (VOCS)	Closed Chamber 1.0m ±.05 m/3	ASTM D5116 ASTM D6196	SCAQMD 1168-passed

* Test profile under." tile, over 5mm, over 8" bare concrete; no ceiling.
 ** Test profile under." engineered wood, over 5mm, over 5/8" Plywood with 1-1/2" Gypsum Concrete on a Wood Joist Floor/Ceiling Assembly
 ***As tested by Materials Analytical Services using CDPH requirements (same as GreenGuard and FloorScore) and certified as Collaborative for High-Performance Schools (CHPS) compliant.

<u>Product Details</u>	<u>Thickness</u>	<u>Roll Size</u>	<u>Weight</u>	<u>Type A Hardness</u>
Rolled	5mm	25 Feet	.83 lbs per sq. ft.	45-50
Underlayment	9mm	25 Feet	1.5 lbs per sq. ft.	45-50
	10mm	25 Feet	1.7 lbs per sq. ft.	45-50
	12mm	25 Feet	2.0 lbs per sq. ft.	45-50

For further information please email technical@heroflooring.com