

# BLACK KNIGHT

## Advanced Sound and Moisture Control Underlayment

U.S AGENCY REPORT NGC7010045 &NGC5010027

TEST ATSM E 90 / ATSM E 413-04 ATSM E 492 / ATSM E 989-06

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### SPECIFICATIONS

IIC Rating	71
FIIC Rating ( Field Test )	70
STC Rating	67
% of Sound Transmission Loss	70% Over 800hz
Water Resistance	Waterproof (Moisture can not penetrate closed cell membranes)
Thickness	3mm total
Roll Dimensions	43" High - 9 3/4" Diameter
Roll Weight	18 Lbs.
Square Footage per Roll	200 sf
Rolls per Pallet	20 Rolls

### TECHNICAL PARAMETERS

Test Item	Method	Unit	L-4000
Tensile Strength	JISK - 6767	Mpa	> 0.12
Elongation at Break	JISK - 6767	%	> 200
Density	JISK - 6767	G/cm3	0.022 - 0.025
Tear Strength	JISK - 6767	N/m	> 850
Compressive Strength	JISK - 6767	Mpa	> 0.035
The change rate of size after heating	JISK - 6767	%	< -3
Permanent deformation after press	JISK - 6767	%	< 5.5
Water absorptivity	JISK - 6767	G/cm3	0.003
Thermal conductivity	JISK - 6767	W/MK	0.035
Alkalinity resistance			No Obvious Change
Salt resistance			No Obvious Change
Oil resistance			No Obvious Change
Acid resistance			No Obvious Change
Combustibility	Auto-extinguishing quality Grade 1		FEB / 2010 / 001 SPC Floor - Ceiling Assembly - 8" Concrete Slab with suspended gypsum ceiling overlay
Smoke content	20 SDR		
Oxygen index	27 OI		

