



**HOMOGENEOUS VINYL FLOORING .SEAMLESS .NON-STATIC .ASBESTOS FREE.  
UNIFLOOR HEAVY DUTY 4200 (2.5 MM) / UNIFLOOR SILENT CUSHION 4300 (3L MM)**

**MATERIALS:**

Flooring Materials shall be UNIFLOOR HEAVY DUTY or UNIFLOOR SILENT CUSHION, size and thickness as hereinafter specified, as manufactured by Datwyler Ltd., Altdorf, Switzerland, and as distributed by Tek 5th Concepts, Inc., P.O.Box 67, Haddonfield NJ 08033. (609) 428-4464. FAX (609) 429-6532. Material shall be manufactured by calandennng technolo~jy as a solid homogeneous, non-layered, asbestos free vinyl, in a marbled pattern, with color, marbleization, and density extending throughout the entire product thickness. Product is to consist of a premium formula vinyl, containing under 25% of fillers.

**THICKNESS, SIZES, WEIGHT, AND COLORS:**

Product:	UNIFLOOR HEAVY DUTY	UNIFLOOR SILENT CUSHION
Total Gauge:	2.5mm (.10")	3.0mm (.118")
Wear Layer:	2.5mm (.10")	1.3mm (.050")
Glass Fiber Reinforcement	-	.5mm
Pvc Foam Backing:	-	1.2mm
Roll Sizes (approx):	150cm (5') x 30m (99 ft.)	150cm (5') x 25 m (82.5') approx.
Tiles:	30 cm (12") square	not available
	50cm (20") square	
Weight:	3.5 Kg/m <sup>2</sup> (103 ozs/s.yd.)	3.4 Kg/m <sup>2</sup> (100 ozs/s.yd.)
	Colors and marbleization are subject to commercial match tolerances.	

**TECHNICAL DATA:**

**a. Fire Safety:**

ASTM E-648, NBSIR 75-950, NFPA 253 CLASS A, Critical Radiant Flux <1.07 W/cm<sup>2</sup>  
ASTM E-84 (80) Tunnel Test, NFPA 255, UL 723, ANS 2.5

	CLASS A Flame Spread Rating 25>	CLASS B Flame Spread Rating 75>
	<b>Products Meet Or Exceed The Requirements Of The Hill Burton Act.</b>	

**b. Chemical Resistance:**

**Not affected by:** Human or animal body discharges, most acids, alkalis in diluted or concentrated form, tar free asphalt, mineral oil, most photo fixing baths (test), silver nitrate, sea water, pool treatment chemicals, hydrogen peroxide, 5% acetic acid solution, gasoline, alcohol fluorohydrocarbon (Freon).

**Mildly affected by:** Tetrachloroethylene, toluene, benzene, strong acetic acid and potassium hydroxide cause swelling which is usually reversible after removal and cleanup of the reagent. Concentrated sulfuric acid causes brown discoloration. Iodine solutions and betadine may stain some colors. Phenolic compounds may attack the surface.

**Unstable or changed by:** Acetone causes swelling and permanent distortion. Concentrated acetic acid, methylene chloride, ethyl acetate, carbon disulphide. Methyl Ethyl Ketone dissolves the material. Rubber containing certain antioxidants or antiageing additives, flooring stain, shoe polish, grease based pencils or lipstick, magic markers may cause light to strong permanent spots.

**c. Miscellaneous Specifications:**

	UNIFLOOR HEAVY DUTY	UNIFLOOR SILENT CUSHION
Residual Indentation:	1.0% (10% allowed)	9.0% (10% allowed)
Flexibility:	No cracks, breaks, or weakness after repeated 360~ bending.	
Dimensional Stability:	+-.0.07% (+- 0.3% allowed)	+-.0.10% (+-0.3% allowed)
Taber Abrasion Wear Test		
H-i 8 wheels, 1000gm load:	exceeds 71,000 cycles	not tested
Coefficient Friction ANSI / ASTM F489:	0.62 average	0.62 average
Volume Resistivity (NFPA 99):	10 <sup>10</sup> Ohms	10 <sup>10</sup> Ohms
Resistance To Light Fading:	6-8 good	6-8 good
Heat Transfer:	95 W/m <sup>2</sup> . °K	46 W/m <sup>2</sup> . °K
	82 Kcahlm <sup>2</sup> .h°C	40 Kcahlm <sup>2</sup> .h. °C
Resistance To Heat Transfer	1/(0.0122 m <sup>2</sup> .h. °C/Kcal)	1/(0.025/m <sup>2</sup> .h. °C/Kcal)
Impact Noise Reduction:	8 dB	17 dB
	<b>Products meet or exceed the requirements of SST-312B and LF-475A</b>	