

A. TECHNICAL SPECIFICATION PARAMETERS OF VINYL FLOORING

S.no	PARAMETER	STANDARD	Specification	Unit
1	Total Thickness	ISO 24346(EN 426)	2	mm
	Thickness of the wear layer	ISO 24340 – EN 429	2	mm
2	Weight	ISO 23997(EN 430)	Better than 3400	g/m ²
3	Width of Sheet	ISO 24341(EN 426)	200	cm
4	Special Treatment		PUR : Polyurethane Treatment	
5	General Performance	ISO 10874(EN 685)	33 to 34	class
6	Fire Rating	EN ISO 9239-1/ EN ISO 11925-2	Bfl-s1	class
7	Static Electrical Propensity	EN 1815	<2	KV
8	Electrical Resistance	EN 1081	10 ⁹ - 10 ¹⁹	Ω
9	Slip Resistance	DIN 51130	R 9	class
10	Wear Resistance	EN 660-2 Volume loss	<4	mm ³
11	Wear Group	EN 649	P	group
12	Type Binder Content	ISO 10581	I	type
13	Dimensional Stability	ISO 23999 (EN 434)	≤0.4	%
14	Flexibility	ISO-24344 EN 435	No cracking	20mm mandral
15	Seam Strength	ISO 16906	Should Pass	N/50mm
16	Residual Indentation	ISO 24343-1(EN 433)	≤ 0.1	mm
17	Castor Chair Test	ISO 4918 (EN 425)	Continuous	Type of Use
18	Thermal Conductivity	ISO 10456 (EN 12524)	≈0.25	W/(m.K)
19	Colour Fastness	EN 20 105 B02	≥6	degree
20	Stain and Chemical Resistance	ISO 26987(EN 423)	0 (Excellent)	Index
21	Anti-Bacterial and Fungicidal Treatment	-	OK	-
22	Surface Treatment	UV PROTECTED		-
23	Anti-Bacterial Activity (E.coil-S.aures-MRSA) ^[1]	ISO 22196	>99%Inhibits growth	
24	Environment/Indoor Air Quality TVOC after 28 days	ISO 16000-6	<10	µg/m ³
25	Walking Comfort		< 75	db

B. FEATURES:

- a. Flooring material should be highly homogeneous with a high PVC content pressed into compacted floor covering in sheet with Design, colour dyed as a raw mixture to ensure even colour throughout the thickness and a matt finish.
- b. Its surface must be densely compacted for improved wear and ease of Maintenance.
- c. It should be treated with polyurethane special maintenance treatment obtained by UV laser cross-linking to avoid staining of chemical products, anti-bacterial hand gel, etc. in order to increase the durability of the flooring.
- d. It should have excellent resistance to everyday wear and tear in high traffic area and does not require the application of acrylic polishes.
- e. It should have a protective wear layer.
- f. Its surface should be smooth without any undulations to prevent collection of dust.
- g. Flooring Material should be protected with proper treatment so that application of wax or polish is not required during its life time. Also it should act as a barrier against Stains and chemical aggression.

C. INSTALLATION PROCEDURE:

- 1) Removal of existing floor mat/tile of the proposed studio without damaging the existing flooring. The removed floor mat /tiles are to be dumped at a place shown by the Engineering Head away from the building.
- 2) The surface must be made free of dust, dirt and other barrier materials such as grease, paint, water and adhesive residues. Suitable commercially available materials have to be used to clean the floor. Suitable mechanical methods have to be adopted to provide a roughened clean sound open porous surface.
- 3) Then Self Leveling Compound (Level 0 TT61) containing high quality synthetic resins, special cements and selected fillers, when mixed with water, a fluid easily towed mortar with free flooring properties it should be applied normally up to 2 - 3mm.
- 4) Primer should then be applied on the sub-floor to seal the pores, to prevent air bubbles from rising through the applied mortar to maintain flow life and also to promote excellent uniform adhesion to the substrate, any other make as per manufacturer's specification.
- 5) As per direction and the entire satisfaction of Engineer-in-charge Flooring sheet has to be fixed.

BILL OF MATERIALS

SL No		Description of Works	Quantity Sq.ft	Amount
1	a	Supply of Vinyl Flooring (2mm thickness) at Akashvani , Dharwad	2500	
	b	Removing existing flooring at Akashvani, Dharwad		
	c	Fixing of Vinyl Flooring (2mm thickness) at Akashvani, Dharwad as per installation procedure.		
2	a	Supply of Vinyl Flooring (2mm thickness) at Akashvani , Kadapa	2000	
	b	Removing existing flooring at Akashvani, Kadapa		
	c	Fixing of Vinyl Flooring (2mm thickness) at Akashvani, Kadapa as per installation procedure.		
4	a	Supply of Vinyl Flooring (2mm thickness) at Akashvani Tirunelveli	4260	
	b	Removing existing flooring at Akashvani, Tirunelveli		
	c	Fixing of Vinyl Flooring (2mm thickness) at Akashvani, Tirunelveli as per installation procedure.		
		Total		
		GST @ 18%		
		Grand Total		

Note: 1. Firm has to quote for all the items individually.