

---

## Technical Data Sheet

PAPER LAM

**Date:** 1<sup>st</sup> Sep 2019

**Product Name:** Acoustical Printable Media

**Product Code:** -ACFL

### Product Features

- For digital printing on UV.
- The dimensional stability is excellent which can be fixed on flat surfaces like wall, flooring, ceilings etc.
- The ink absorbency is stable.
- The colour rendering is high.
- Expected life performance of the vinyl is 5yrs for unprinted media in interior application.

Technical Parameters		Physical properties	Testing Method
Width (CM)		160cm	
Light Transmission		T <sub>v</sub> < 17.0%	ASTM E 903 UNI EN 410
UV Transmission		T <sub>uv</sub> < 5.00%	ASTM E 903 UNI EN 410
Light Reflection		P <sub>v</sub> < 75%	ASTM E903
Dimensional Stability		<1.5%	
Thickness		2.0 mm +/-0.50mm	
Base Fabric		100%PES	DIN EN ISO 2060
		1100 Dtex P1/1	Plain
Total Weight		1000 +/-10% g/m2	DIN EN ISO 2286-2 BS 3424 Method 5A
Composition	Fabric	200 g/m2	DIN EN ISO 2286-2
		5.88 OZ/YD2	BS 3424 Method 5B
Composition	Coating	800g/m2 PVC	DIN EN ISO 2286-2
coating weight		23.53 OZ/YD2	BS 3424 Method 5B
		Polyester + PVC	
Lacquering	surfacing	PVDF/Acrylic V1/L1	Hontex Testing

			Method
Optional		One side Lac SL	
Breaking Strength Warp 2500 N/5cm			DIN 53 354
tensile strength			BS 3424 Method 6A
		560	LBS/2inch
Elongation at Break		<30%	
Breaking Strength Weft 2500 N/5cm			DIN 53 354
			BS 3424 Method 6A
		560	LBS/2inch
Elongation at Break		<30%	
Tear Strength Warp		250 N	DIN 53 363
			BS 3424 Method
56		LBS	FS 5134
Tear Strength Weft		260 N	DIN 53 363
			BS 3424 Method
56		LBS	FS 5134
Seam Strength		100 N/5cm	DIN 53 357
			BS 3424 Method 9B
		27 LBS/ 2 inch	
Weldability		Hi Frequency/Hot Air	FS 5970
Temperature resistance-40°C/+70°C			DIN EN 1876-2
			BS 3424 Method 10
Light Fastness (except white)		6-7	DIN 54004
			DIN EN ISO 877
			BS 3424 Method 15
Heat Insulation		<6.5	ASTM D 5470
		<6.5	W/mK
Acoustic Reduce		15 dB(A)	Sound >2000Hz
Noise reduction performance		10 dB(A)	2000Hz
Per 3.0 mm		8 dB (A)	<Sound>800Hz
every 3.0 mm		5 dB (A)	35<Sound<800 Hz
Anti Wicking (Option) Water Aborb Resist			Sound<35Hz
Flammability ( Optional)M2			<3MM per 24 Hours
optional		B1,B2,	NFP 92.503
		S / L Scale	DIN 4102
			DIN 75200 / NFPA-701
			UNI 8456 8457

## Printing and application environment

**Printing environment:**-The printing conditional is that the temperature is  $23\pm 2^{\circ}\text{C}$ , the relative humidity is 50%, the operate room is thoroughly cleaned from dust. The rolls need to be move to the operate environment from the warehouse before it is printed.

The moving time depends on the store temperature. Make sure the rolls temperature is same as the operate environment temperature. The rolls can be printed under  $18^{\circ}\text{C}$  -  $28^{\circ}\text{C}$ . Before the laminating job, it is better to preheat the printer to  $30^{\circ}\text{C}$ . In order to avoid any swelling behavior on the later combination with the ink must be thoroughly dry before laminate, edge cutting and pasting.

### **Application environment:**

Application temperature:  $18^{\circ}\text{C}$  -  $28^{\circ}\text{C}$ . Relative humidity:  $50\pm 5$ : surfaces to which the material will be applied must be thoroughly cleaned from dust, grease or any contamination which could affect the adhesion of the material.

### **Warranty Conditions:**

1. The shelf life of the product is 2 years. The vinyl product must meet the storage condition.
2. The material should be printed on compatible printing platforms and in appropriate weather condition.
3. Any defect in material if any should be registered within 1 week after material is delivered to the consignee.
4. Warranty on the material can be issued only by the company and not by the reseller of the material (Reseller/trader)