

Date: 25th, Mar, 2024

TECHNICAL DATA SHEET

Number: PT24-0325

1. IDENTIFICATION OF MATERIAL AND MANUFACTURER

- (1) Product Name : ACREX REAL
 (2) Manufacturer
 PrintechKR (Hwaseong Factory) Co., Ltd.
 22 Songsansandan 3-gil, Songsan-myeon, Hwaseong-si, Gyeonggi-do, Republic of Korea

2. GENERAL DESCRIPTION / APPLICATION

ACREX is a film composed of acrylic material. ACREX REAL is one of product type among ACREX series. Wood, Stone, Abstract, Fabric, leather and fantasy design is printed with Solvent based Ink. It is suitable for the production of door, wall panel like vertical / interior purpose by flat lamination. For flat lamination, recommended adhesive usage is PUR ; 85 g/m³ or EVA ; 100 g/m³. (It can be depending on condition.)

3. PROTECT FILM / STORAGE

This product has protection layer consist of 0.06 mm of PE. Protection layer has company logo and product name. ACREX series can be stored for more than 6 months under normal storage condition but it is recommended to use it in within 6 months.

4. SPECIFICATION; THICKNESS - WIDTH

The thickness of the finished product is 0.30 mm with a maximum width of 126 cm.

Physical property						
Test Item	Result	Quality Specification	Test Item	Standard	Result	Quality Specification
Pencil Hardness	1 B	ASTM D3363 KS M ISO 15184	Stain Resistance	≥ Grade 4	Grade 4	KS M 3332 / KS G ISO4 211
Light fastness	PASS	SGS, GB/T 23987-2009 Method A & ASTM D2244-23				
Tensile Strength	X; 23.6 MPa Y; 31.7 MPa	ASTM D882 (KS M 3001-2022)				
Tearing Resistance	X; 80.8 kN/m Y; 103 kN/m	ASTM D1004 (KS M 3001-2002)	Adhesion Strength	No peeling	No peeling	KS M ISO2409

Eco-Friendliness							
Test Item	Standard	Result	Quality Specification	Test Item	Standard	Result	Quality Specification
Phthalates Content	DEHP	N.D.	N.D.	Heavy Metal	Total less than 1,000 mg/kg, only lead-less than 600 mg/kg	N.D.	Environmental Pollutants process test UNIT : mg/kg
	DBP						
	BBP						
TVOC	≤ 0.1	≤ 0.004	Method for Indoor Air quality process UNIT : mg/m ² h	Formaldehyde	≤ 0.08	≤ 0.001	Method for Indoor Air quality process UNIT : mg/m ² h
Toluene	≤ 0.015	≤ 0.001					