

Date: 25<sup>th</sup>, Mar, 2024

## TECHNICAL DATA SHEET

Number: PT24-0325

### 1. IDENTIFICATION OF MATERIAL AND MANUFACTURER

- (1) Product Name : ACREX FLEX PRO  
 (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. It has a solid color with a special coating for soft touch, anti-fingerprint effect and strong surface hardness. It is suitable for the production of door, wall panel like vertical / interior purpose by membrane lamination.

### 3. PROTECT FILM / STORAGE

It does not have protection layer. 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 0.40 mm with a maximum width of 140 cm.

Physical property							
Test Item	Result	Quality Specification	Test Item	Standard	Result	Quality Specification	
Pencil Hardness	2 B	ASTM D3363 KS M ISO 15184	Stain Resistance	Crayon, Pen Olive oil, Coffee Milk tea, Milk, Iodine	≥ 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; 26.0 MPa Y; 28.1 MPa	ASTM D882 (KS M 3001-2022)					
Tearing Resistance	X; 98.7 kN/m Y; 109 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	Pb	Total less than 1,000 mg/kg, only lead-less than 600 mg/kg	Environmental Pollutants process test UNIT : mg/kg
	DBP						
	BBP						
TVOC	≤ 0.1	≤ 0.004	Method for Indoor Air quality process UNIT : mg/m <sup>2</sup> h	Formaldehyde	≤ 0.08	≤ 0.001	Method for Indoor Air quality process UNIT : mg/m <sup>2</sup> h
Toluene	≤ 0.015	≤ 0.001					