Wall Cladding Technical Data Sheet

1. Overview

Product Name: Wall Cladding
Manufacturer: Lu'an Yingke Industrial Co., Ltd.
Service Hotline: 400-993-5158

2. Product Description

Material Composition:
Wood Fiber: 60%
HDPE: 30%
Other Additives (antioxidants, stabilizers, colorants, etc.): 10%
Model and Dimensions:

Model	Length (mm)	Width (mm)	Thickness (mm)
JE23-2	2900	219	26
JE24-2	2900	156	21

3. Performance Testing

The basic performance table of this product is as follows:

INTCO WPC Wall Cladding Test Data

No.	Testing					INTCO Data
	Category	Name	Unit	Reference Standard	Requirement	
1	Physical Performance	Density	Kg/m^3	EN 15534-1	-	1287
2		***Falling Impact Resistance**	-	EN 15534-4	No fracture, Depth ≤ 0.5mm	PASS
4	Durability	Scratch Resistance	N	DIN EN 15186:2012	-	15
5		Abrasion Resistance	mg	ASTM D4060	-	37.3
6		***Resistance to artificial weathering**	-	ISO 4892-2	300h, Gray scale ≥ 4	300h, Gray scale ≥ 4
7		***Water Absorption Rate (Swelling)**	-	EN 15534-1	Thickness ≤ 4%, Width ≤ 0.8%, Length ≤ 0.4%	Thickness: 0.23%, Width: 0.03%, Length: 0.06%
8		Water Absorption Rate	-	EN 15534-1	Avg≤7%	Avg≤1.05%
9		***Boiling Test**	-	EN 15534-1	≤7%	≤0.64%
10		**Moisture resistance under cyclic testconditions**	%	EN 15534-4	Decrease of bendingstrength, Mean≤20 % Max.≤30 %	Mean≤-11 % Max.≤-6%
11	Thermal Performance	***Coefficient of Linear Expansion**	k^{-1}	EN 15534-1	$\leq 50*10^{-6}$	$41.4*10^{-6}$
12		Screw Holding Strength	mm	EN 15534-4	≤10	3.98
13	Safety	***Formaldehyde**	-	ASTM D6007-22	-	Not Detected
14		***Heavy Metal**	-	EPA 3052:1996	-	Not Detected

4. Application Range

Applicable Environment: Outdoor/Indoor
Main Application Scenarios: wall cladding

5. Installation Method

This chapter provides basic installation methods. For detailed instructions, please refer to the product installation manual.

Preparation:

- ✓ Clean the wall, ensuring it is dry, level, and free of debris.
- ✓ Plan the installation position according to the design scheme.

Installation Steps:

A. Lay the Base Layer: Install the base frame as needed.

B. Fix the Joists: Use special fasteners to secure the joists to the base, ensuring even spacing between the joists.

C. Install the wall cladding: Start laying the wall cladding from one end, securing it with special clips.

D. Adjust the Gaps: Ensure there is an appropriate expansion gap between the wall cladding and the wall.

E. Complete the Installation: After laying the wall cladding, inspect and make necessary adjustments and refinements.

6. Precautions

- ✓ Avoid Extreme Weather Conditions During Installation: Do not install during extreme weather conditions.
- ✓ Storage: Store flat to prevent excessive pressure and deformation.
- ✓ Cleaning: Use water or neutral detergent for cleaning; avoid using strong acid or alkaline cleaners.
- ✓ Avoid Sharp Objects: Prevent scratching the surface of the flooring with sharp objects.
- ✓ Fire Safety: Keep away from sources of fire during product use.
- ✓ Avoid Excessive Pressure: Handle with care; avoid placing heavy objects directly on the flooring.
- ✓ Transportation: Protect from rain and direct sunlight during transportation.

7. Quality Assurance

Please refer to the Product Quality Warranty Book for details.

8. Certification and Standards

The product complies with ISO9001 and CE certification.

Attachments:

Product Installation and User Manual
Product Quality Warranty Book
Various Inspection Reports