

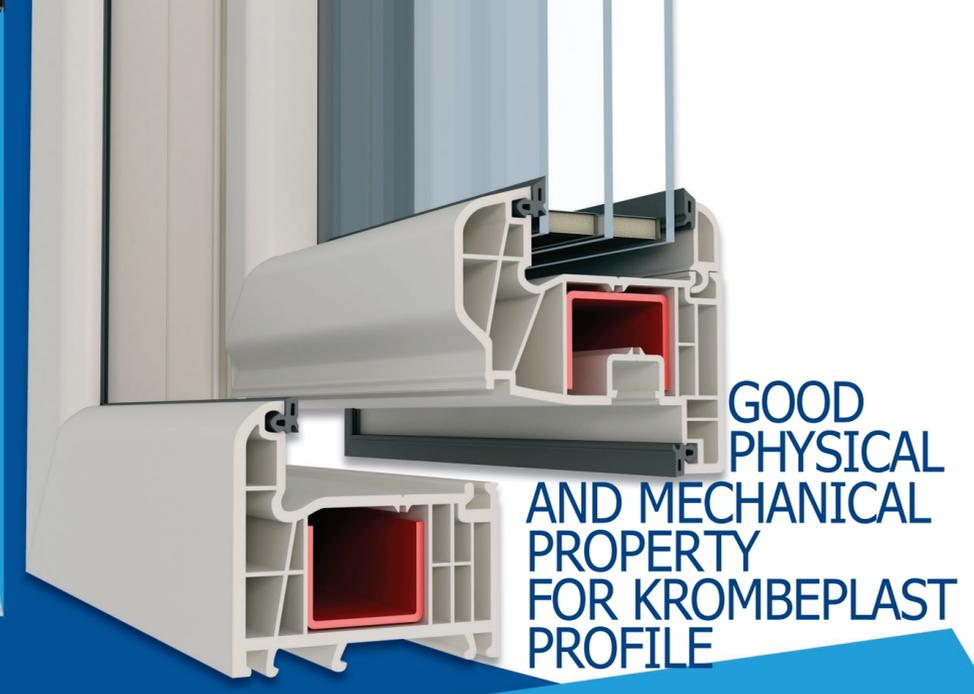


Panoramic view

KROMBEPLAST FACTORY

VLADIVOSTOK, RUSSIA

Production process



GOOD PHYSICAL AND MECHANICAL PROPERTY FOR KROMBEPLAST PROFILE

No wonder which series, which varieties of Krombeplast PVC profiles, using the most advanced composite processing aid, imported PVC resins and titanium dioxide, processed through carefully selected materials and scientific formulation, their performance indexes are much better than national standard, and its unique features are as follow:

1. Good appearance quality: main color is white with little blue and brown tones on laminated color, bright and beautiful, presenting you a fresh and elegant feeling, high-precision dimension, stable weight of unit length.

2. High heat resistance property: under high temperature treatment, the profile dimensions have no change, and have almost no air bubbles, pocking mark and crack after heated.

3. Good anti impact performance: Krombeplast PVC profiles as its unique formulation, excellent raw materials, dropping hammer impact under low temperature, ten samples none break down, and the Charpy impact strength is much higher than the national standard and in line with European standards.

4. High optical and thermal stabilities: under 600 hours of simulated aging test, all indexes are higher than the national standard.

5. Good mechanical properties: the ductility and bending properties are both better than national standard, has an excellent mechanical properties.

IN LINE WITH EUROPEAN STANDARDS



AVAILABLE COLORS FOR LAMINATED PROFILES



TECHNICAL DATA

Item	Index		
Hardness, HRR	≥ 86		
Tensile strength, Mpa	≥ 38		
Elongation at Break, %	≥ 110		
Bending elasticity modulus, Mpa	≥ 2000		
Low temperature drop weight impact test, fracture numbers	≤ 1		
Vicat softening point, °C	≥ 83		
Status after heating	No bubbles, cracks		
Dimension change rate after heating, %	± 2.5		
Oxygen index, %	≥ 38		
High-low temperature dimension reciprocal change rate, %	± 0.2		
Charpy impact strength, KJ/m ² ≥	23 ± 2°C	-10 ± 1°C	
	A type	40	15
	B type	32	12
Weather resistance	Charpy impact strength, KJ/m ² ≥	A type	28
		B type	22
Color change, level	≥ 3		

Items	Level	Standard requirements					
		I	II	III	IV	V	VI
Air pressure resistance	Level	I	II	III	IV	V	VI
	Pa	3500	3000	2500	2000	1500	1000
	Kg f/m ²	350	300	250	200	150	100
Rain permeability	Level	I	II	III	IV	V	VI
	Δ P, Pa	600	500	350	250	150	100
Air permeability	Level	I	II	III	IV	V	VI
	q _v m ³ /m . h	0.5	1.0	1.5	2.0	2.5	
Heat Insulation Properties	Level	I	II	III	IV	V	VI
	Heat transfer coefficient (w/m2.k)	2.0	3.0	4.0	5.0		
Lighting property	Level	I	II	III	IV	V	VI
	Tr	0.70	0.60	0.50	0.40	0.30	0.20
Noise insulation property	Level	I	II	III	IV	V	VI
	Rw (dB)	35	30	25			