



ACP Technical Data Sheet

The coating of the painting for ACP is **POLYESTER**

Performance of the **POLYESTER** coating as below:

Inspection gist	inspection standard: GB/T 17748-1999	inspection result
Coating thickness	≥ 16 um	20um
Gloss deviation	≤ 5	3
Pencil hardness	\geq HB	3HB
Coating pliability T	≤ 3	1
Adhesion	cross test Grade 1	Grade 1
Impact- resistance 50kg.cm	no paint peeling and cracking	no paint peeling and cracking
Bending strength MPa	≥ 60	83.4
Flexural modulus MPa	$\geq 1.5 \times 10^4$	2.1×10^4
Transfixion resistance KN	≥ 5.0	6.5
Cut intensity MPa	≥ 20.0	23.2
Peel-back strength at 180°C N/mm	≥ 5.0	5
Temperature-resistance	no change	no change
Coefficient of Heat Expansion °C	$\leq 4.00 \times 10^{-5}$	3.20×10^{-5}
Temperature of Heat Deformation °C	≥ 105	119.6
Boiled water-resistance	no change	no change
Acid-resistance	no change	no change
Alkali-resistance	no change	no change
Oil-resistance	no change	no change
Solvent-resistance	no bottom exposed	no bottom exposed
Wash-resistance	≥ 10000 times	11500 times
Chromatic aberration	≤ 3.0	0.42