inkanto®

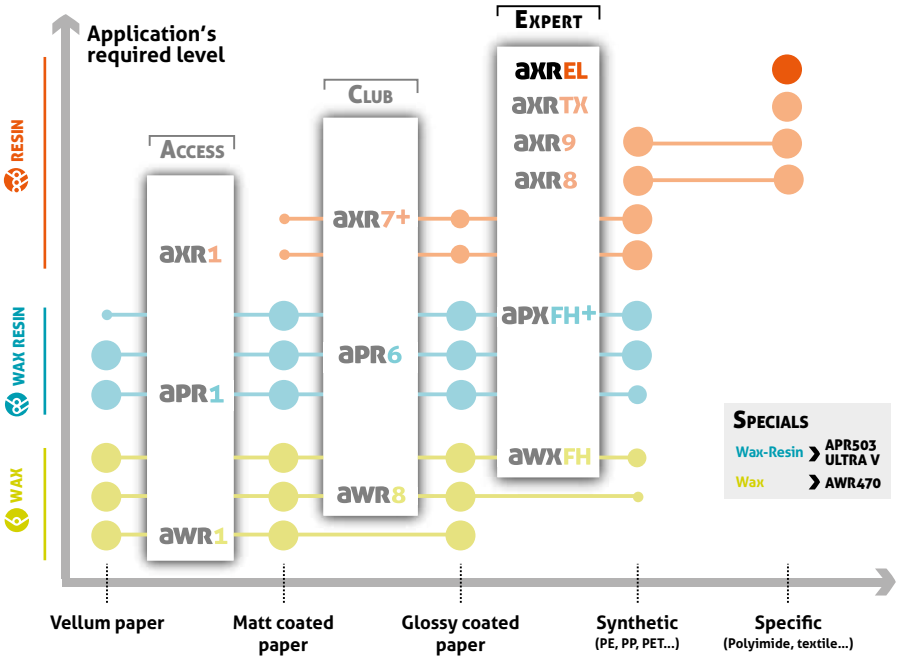
Thermal Transfer by ARMOR

SPECIALTY RESIN FOR FLAT HEAD PRINTERS

AXR EL

The specialty resin for printed circuit boards

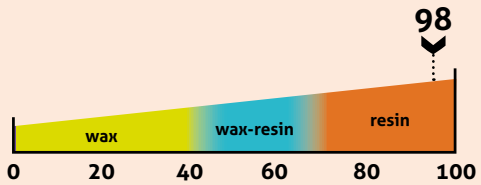
AXR®EL has been specially designed to meet ARMOR's high-quality standards, offering optimum durability in line with the highly specific demands of electronic products, particularly printed circuit boards.



Printing receptor

synthetics		specific	
PET	●●●	Polyimide	●●●
		Acrylate	●●●

Print resistance

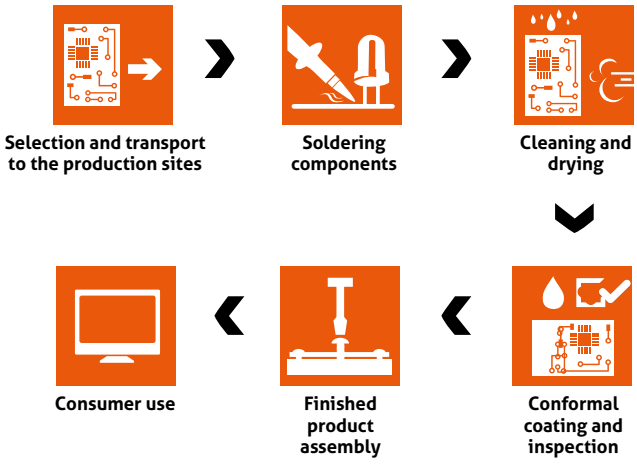


Energy

Compliant with the following regulations

IPC A-610
EN 50419
REACH / SVHC 1907/2006/EC
Food Contact 1935/2004/EC
Heavy metals 2011/65/EU
California Proposition 65
Halogen restrictions

product life cycle



Your ribbon identity

Colours: ●

Length (m): .....

Width (mm): .....

Part number: .....

Your distributor: .....

Contact : .....

SPECIALTY RESIN FOR FLAT HEAD PRINTERS

AXREL

Application fields

PCB and electronic sub-assemblies

Product performance

print quality

90°Barcode 95	Small characters 100	Logos 100
0°Barcode 100	2D Barcode 100	Blackness 1,8 ODR* (0 – 2,5)

*Optical Density by Reflection, measured using a densitometer.

technical resistances

Solvents

Rubtester: 939g, no damage after ... cycles :

IPA:	150	Atron:	200
Mineral Spirit:	50	Aquanox:	150

Drying

The barcodes remain legible with an A-grade under ANSI standard for barcode readability.
Laboratory tests performed under simulated real-life conditions.

Temperature

The print remains perfectly legible to high temperatures. Tested up to 300°C/572°F.

Rubbing

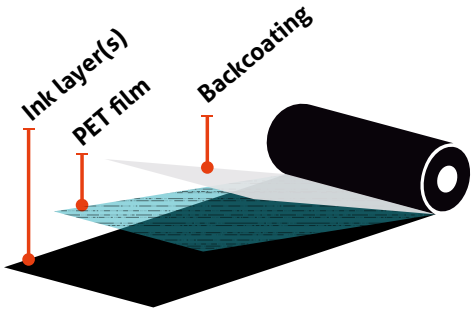
No degradation recorded after rubbing with an abrasive 16mm pad with an applied weight of 450g/cm² for 10 cycles.

Conformal Coating

The print remains intact after conformal coating (A thin polymeric film which conforms to the contours of a printed circuit board to protect the boards components).

Product physico-chemical features

product structure



PET film	Thickness: 4,5 µm
Ink	Resin
Melting point	75°C/167°F
Backcoating	Silicon based
Coefficient of Friction	Kd < 0.2
Ribbon thickness	< 8 µm
The ribbon is anti static build-up treated	

Storage

storage conditions

12 months recommended

20-80 % Humidity Rate, 5-35°C (40-95°F)

Waste management

inkanto rolls and their packaging allow an optimised waste management. For more information please contact ARMOR.

02/20