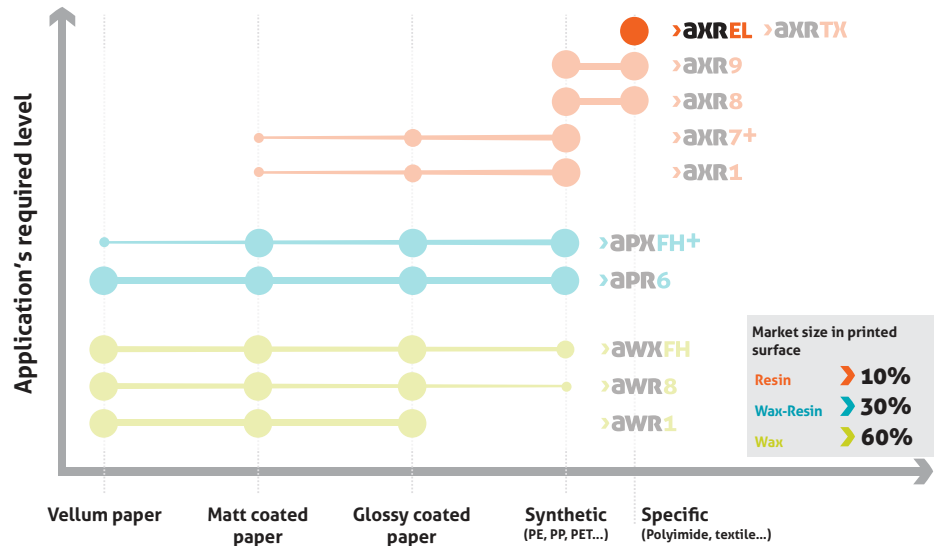


# > AXREL

The specialty resin for printed circuit boards

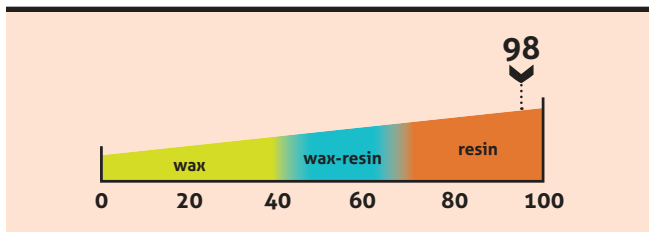
AXR®EL has been specially designed to meet ARMOR's high-quality standards, offering optimum durability in line with the highly specific demands of electronic products, particularly printed circuit boards.



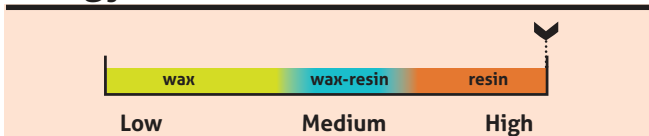
## Printing receptor

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

## Print resistance



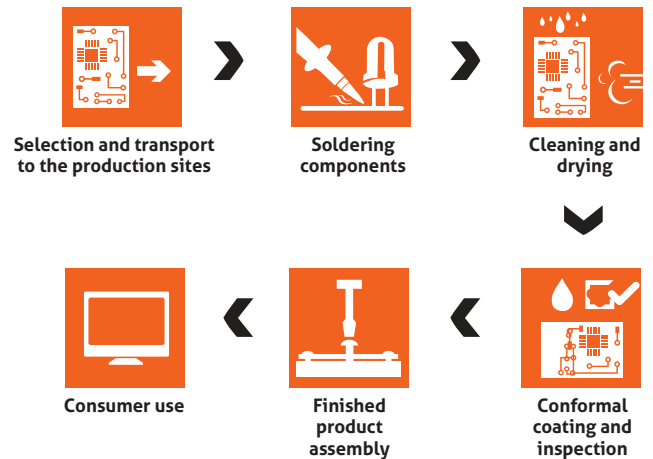
## Energy



## 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: .....

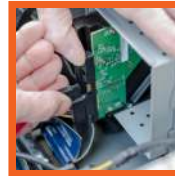
Contact : .....



# AXREEL

## Application fields

### PCB and electronic sub-assemblies

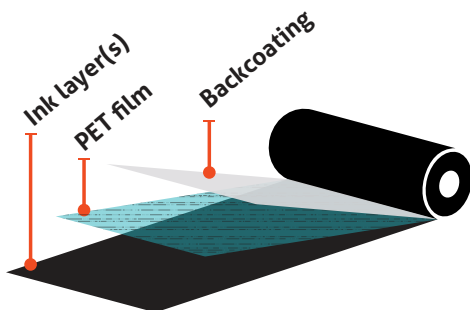


## Product performance

print quality		
90°Barcode                      95	A <sub>a</sub> Small characters                      100	Logos                      100
0°Barcode                      100	2D Barcode                      100	Blackness <small>*Optical Density by Reflection, measured using a densitometer.</small> 1,8 ODR* <small>2,5</small>
technical resistances		
<p><b>Solvents</b>                      Rubtester: 939g, no damage after ... cycles :                      IPA: 150    Atron: 200                      Mineral Spirit: 50    Aquanox: 150</p>	<p><b>Drying</b>                      The barcodes remain legible with an A-grade under ANSI standard for barcode readability. Laboratory tests performed under simulated real-life conditions.</p>	<p><b>Rubbing</b>                      No degradation recorded after rubbing with an abrasive 16mm pad with an applied weight of 450g/cm<sup>2</sup> for 10 cycles.</p>
	<p><b>Temperature</b>                      The print remains perfectly legible to high temperatures. Tested up to 300°C/572°F.</p>	<p><b>Conformal Coating</b>                      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).</p>

## Product physico-chemical features

product structure	
<b>PET film</b>	Thickness: 4,5 µm
<b>Ink</b>	Resin
<b>Melting point</b>	75°C/167°F
<b>Backcoating</b>	Silicon based
<b>Coefficient of Friction</b>	Kd < 0.2
<b>Ribbon thickness</b>	< 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.

## The inkanto benefits

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› **Warranty**  
This product is guaranteed for life against any manufacturing defect in normal conditions of use and storage.



› **Quality commitment**  
Easy to use with guaranteed product performance: the certificate of conformity for your product can be accessed via the flashcode on the box.



› **Easy to identify products:**  
The inkanto rolls families are identified by color codes. The roll labels highlight the important information about the product.



› **Your product is delivered with a cleaning wipe**  
To clean the print head and maintain the maximum performance of your printer.



› **Packing**  
Consistent packaging units depending on the roll dimensions.

## A certified and approved production site

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**Quality, health & safety and environmental systems:**  
ISO 9001  
OHSAS 18001  
ISO 14001  
ISO 50001 (France only)



**Responsible Care**  
The charter of the International Council of Chemical Associations for improvements in health & safety and the environment.



**Global Compact**  
UN initiative inviting companies to apply fundamental ethical and environmental values.