

CERTIFICATIONS & APPROVALS

All certifications and approvals covering ARMOR ribbons enable our customers to safely use their ribbons and to satisfy the requirements of very demanding applications and environmental concerns.



Food Contact (Europe)

Regulation (EC) No 1935/2004

This regulation applied since the end of 2004 imposes that the matters in contact with food should not transfer their components in quantities likely to be dangerous for the health.

Certificates received after analysis by an approved independent laboratory.

WAX

AWR®1
AWR®8
AWR®470 SolFree®
AWX®FH

WAX-RESIN

APR®1
APR®6
ULTRA V
APX®FH+
APR®5B

APR®400
APR®500
APR®530BN
APR®559G
APR®600
APR®600G
APR®600R
APR®600B
APR®600UW
APR®600GD
APR®600SV
APX®650
APX®650MW

RESIN

AXR®1
AXR®7+
AXR®8
AXR®9
AXR®EL
AXR®TX

AXR®100
AXR®600
AXR®600B
AXR®600G
AXR®600R
AXR®600W
AXR®800
AXR®900



Food Contact (USA) Food and Drugs Administration (FDA)

The FDA certification is based on 21 CFR part 170. The certificate covers the indirect food contact applications under particular conditions detailed in the individual certificates.

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APR®600UW
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APX®650MW

AXR®1
AXR®7+
AXR®8

AXR®100
AXR®600
AXR®600W
AXR®800
AXR®900



UL 969 Legibility and durability of the printed label

US Certification given by UL laboratory on a label & ribbon combination. It is certifying readability (barcode scanning) and durability (resistances) of a printed label.

Lists of labels approved with ARMOR ribbons are available on 2go2 our Extranet site. You can also contact us.

CSA, Canadian organisation, has the same purpose as UL in terms of printed labels. Log on 2go2 to know more.

APR®6

APR®600
APX®650

AXR®1
AXR®7+
AXR®8
AXR®9

AXR®600
AXR®600W
AXR®800
AXR®900



RoHS Hazardous substances in electrical and electronic equipment

The RoHS Directive 2011/65/EU (RoHS 2), amended by Directive (UE) 2015/863 (RoHS 3) sets restrictions on the use of hazardous substances in Electric and Electronic Equipments (EEE). RoHS is strongly linked to the directive on the waste of electric and electronic equipments (2002/96/EC) as both directives limit the use of heavy metals: Lead (Pb), Mercury (Hg), Cadmium (Cd), and Chromium 6 (Cr VI), flame retardants: PolyBrominated Biphenyls (PBB) and PolyBrominated Diphenyl Ethers (PBDE) and phthalates: Benzyl butyl phthalate (BBP), Dibutyl phthalate (DBP), Diethylhexyl phthalate (DEHP) and Diisobutyl phthalate (DIBP).

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APR®5R
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APR®400
APR®500
APR®600
APR®600M
APR®600C
APX®650
APX®650MW
APR®531
APR®600R
APR®600UW

AXR®1
AXR®7+
AXR®8
AXR®9
AXR®EL
AXR®TX

AXR®100
AXR®600
AXR®600W
AXR®800
AXR®900
AXR®600B
AXR®600R

CERTIFICATIONS & APPROVALS

ARMOR Thermal Transfer ribbons are subjected to a large number of legislations and meet a lot of standards. In anticipation of demand from its partners, ARMOR has opted for certification with regard to international standards and legislation.

This sheet gives some of these but is not an exhaustive list.

For more information, please contact us by e-mail at: salestr@armor-group.com

or log on 2go2, your inkanto Extranet, with your personal access on 2go2.inkanto.com



Safety document

According to REACH (1907/2006/EC) definition, Thermal transfer rolls are considered as article and therefore, are not subject to the requirement to have a Safety Datasheet. To safely use our Thermal transfer rolls, ARMOR put at your disposal Safety documents providing all the needed information.

These documents are available upon request and may be downloaded in PDF format on 2go2, your ARMOR Extranet.

Use of THE RIBBON / PRINTED INK

All Thermal Transfer ribbons produced by ARMOR are compliant with the European directives and regulations they are subjected to and their most recent amendments:

1907/2006/EC (REACH)	As a European manufacturer, ARMOR is completely fulfilling REACH requirements. Substances of Very High Concern (SVHC) are not intentionally added in our Ribbons.
94/62/ EC (Packaging and packaging waste)	Ink considered as a component of a packaging complies with legislations regarding the heavy metal content in packaging and packaging waste. The maximum amount of heavy metals is set at 100ppm. All ARMOR ribbons have been analysed by an independent laboratory at levels of less than 50ppm.
2000/53/EC (ELV)	Restricts the use of certain substances from vehicles that have reached the end of their life.
2011/65/EU (RoHs)	Restricts the use of dangerous substances in electrical or electronic equipment. ARMOR TT ribbons are compliant with this directive, from the point of view of the use of the ribbon in the printer as well as the printed ink on equipment labels.
1005/2009/EC (Ozone depleting substances)	Regulation on substances that bring about a reduction in the ozone layer gas in our atmosphere.
2019/1021/EU (Persistent organic pollutant)	Restricts the use of substances subject to the Stockholm Convention on Persistent Organic Pollutants or to the POPs Protocol. The objective is to protect health and environment from harmful chemicals that persist in the environment and affect the well-being of humans and wildlife.
2017/821/EU (Conflict minerals)	Refers to minerals mined in conditions of armed conflict and human rights abuses.

Treatment of RIBBON PACKAGING / waste

All used ARMOR ribbons should be treated as ordinary industrial waste and disposed of in conformity with local regulations. Our cores are made of cardboard or polystyrene, and we use recycled cardboard and polyethylene film to pack our Thermal Transfer ribbons.

All of our ribbons and their associated packaging meet the following European Directives:

94/62/EC (Packaging and packaging waste)	Sets acceptable concentration levels for heavy metals in packaging and in packaging waste and also requires the recycling of packaging, through energy recovery or material recycling.
2014/95/UE (List of waste)	Classifies waste and regulate its elimination in accordance with this classification. According to these directives, TT roll waste is classified as 20 03 01.
2004/102/EC (protective measures against harmful organisms introduction)	The pallets used by ARMOR to deliver its ribbons are compliant with this directive, which regulates the use of wooden packaging, such as pallets.

Storage

It is recommended to store our ribbons up to 12 months between 5°C and 35°C, and at 20% to 80% humidity.

At the time of writing and to the best of our present knowledge, the above information is accurate but may not serve as a guarantee.

To obtain an official commitment, please contact us by e-mail at the following address: salestr@armor-group.com.