

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)

European Directive 1935/2004/EC.

This directive 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®6
APX®FH+
APR®5B

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

RESIN

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

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



FDA Food Contact (USA)

Food and Drugs Administration.

The FDA approval is based on the Code of Federal Regulations, §175.105 of the FDA chart. Ribbons are indirect food contact approved and can be used for the outer printing of food packaging materials. The ink may also come into direct contact with dry, non-fatty foodstuffs. In other direct food contact situations, the whole application has to be approved, not only the ink. Certificates received after analysis by an approved independent laboratory.

AWR®1
AWR®8
AWR®470 SolFree®
AWX®FH

APR®6
APX®FH+

APR®600G
APR®600R
APR®600W
APR®600B
APR®600UW
APX®650
APX®650MW

AXR®1
AXR®7+
AXR®8
AXR®9

AXR®600B
AXR®600G
AXR®600R



UL 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.

AWR®470 SolFree®

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 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), and flame retardants: PolyBrominated Biphenyls (PBB) and PolyBrominated Diphenyl Ethers (PBDE).

AWR®1
AWR®8
AWR®470 SolFree®
AWX®FH

APR®6
APR®5W
APX®FH+

APR®600
APR®600W
APR®600M
APR®600Y
APR®600C
APX®650
APX®650MW

AXR®1
AXR®7+
AXR®8
AXR®9

AXR®600
AXR®600W
AXR®800
AXR®900

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 data sheet

Safety data sheets relating to ARMOR Thermal Transfer products can be supplied to all users on request. They conform with directive 88/379/EC and its amendments and take into account directive 67/548/EC and its amendments. MSDS 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 they are subjected to and their most recent amendments:

REACH	as a European manufacturer, ARMOR is completely fulfilling REACH requirements. Our ribbons are free from the Substances of Very High Concern (SVHC).
67/548/EC	gives a list of dangerous substances and sets restrictions on their use.
1976/769/EC	gives a list of CMR (carcinogenic, mutagenic and reprotoxic, or substances toxic to reproduction) substances and sets restrictions on their use
88/79/EC and 93/18/EC	classify substances as flammable or dangerous to health.
94/62/ EC	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.
2002/96/ EC (WEEE)	restricts the use of dangerous substances in electrical and electronic equipment, as well as in their waste products.
2003/11/EC	gives a list of dangerous substances and sets restrictions on their use.
California Proposition 65	regulation of the State of California listing chemicals identified as causing cancer or producing toxicity. None of these chemicals are contained in ARMOR ribbons.

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	set acceptable concentration levels for heavy metals in packaging and in packaging waste and also require the recycling of packaging, through energy recovery or material recycling.
2000/532/EC	classify waste and regulate its elimination in accordance with this classification. According to these directives, TT ribbon waste is classified as 20 03 01.
2004/102/EC	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.