

# SolFree®

Solvent Free Process - Patent applied



ARMOR is introducing SolFree®, a unique Solvent Free Process that will revolutionise the Thermal Transfer ribbon market and technology.

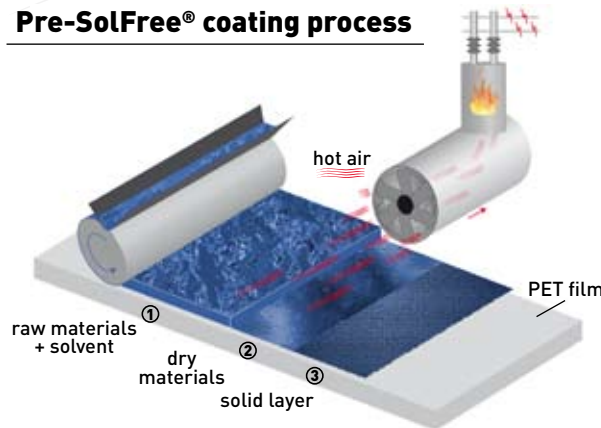
Pioneer and leader in Thermal Transfer ribbon technology for more than 25 years, ARMOR has brought significant improvements to the development of barcode and variable information printing in the label industry; always improving ribbon formulations for maximum user friendliness and outstanding performance with consistent high quality, as demonstrated by the many ISO certifications successfully obtained over the past 15 years.

A commitment to both environmental preservation and people safety was recognized in 2006 by ISO 14001 and OHSAS 18001 certifications. ARMOR is now presenting a tangible result of this commitment with the launch of the 1<sup>st</sup> solvent free process for Thermal Transfer ribbon: SolFree®!

- ▶ **REDUCES YOUR CARBON FOOTPRINT**
- ▶ **DEVELOP LOYALTY THROUGH THIS UNIQUE FEATURE**
- ▶ **EXTENDS PRINTHEAD LIFE TIME WITH NO IMPACT ON PRINT PERFORMANCE OR PRINTER SETTINGS.**

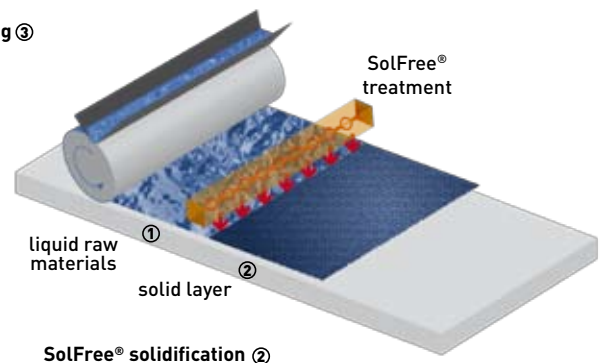
ARMOR has shown an extremely high commitment to sustainable development over the past years. This commitment has been formalised through the adhesion to Global Compact of UNO (United Nations Organisation) as well as ICCA Responsible Care programme. This commitment has been formalised into an action plan called Decaplan : 10 strategic subjects related to sustainable development, with a working group for each, ensuring all projects of the company include a sustainable development aspect. One of these groups is dedicated to "Eco Conception", and is very proud to introduce this new process : SolFree® enabling ARMOR to launch the first ribbon of the market using a 100% solvent free process.

## Pre-SolFree® coating process



physical drying ② → chemical drying ③

## SolFree® coating process



This process is being patented and illustrates the innovation capability of ARMOR, as well as its willingness to invest in long term strategy.

This is also an illustration on the will and capability to offer unique solutions to the market, in anticipation of today's as well as tomorrow's requirements: SolFree® produced ribbons will also enable the label industry to meet the requirements of the increasing number of end-users committed to sustainable development as they will be able to select their supplies that fulfill their environmental preservation concerns.

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## ► BENEFITS OF SOLFREE®

- ARMOR is the only manufacturer in the world to offer a truly unique ribbon produced without using solvents, even for the backcoating layer.
- Provide an added value solution to all end-users implementing Carbon footprint follow-up (committing to ISO 14001, Global Compact...):

**- Reduce your Carbon footprint by at least 365g of CO<sub>2</sub> per roll\* compared to all other ribbons on the market which all use solvents in their coating process.**

*\*calculation for a roll with market average dimensions, based on a carbon footprint follow-up model that integrates the entire process from raw materials to packing, establishing an equivalent rejected quantity of CO<sub>2</sub> for 1m<sup>2</sup> of film produced.*

- Improved backcoat performance.
- Delivers added-value to existing customers with zero impact on print quality, printer settings...
- Increase customer loyalty thanks to unique arguments on the product with no impact on cost.

## ► LINK YOUR WEBSITE TO WWW.SOLFREE-TTR.COM



This website presents the process and exposes the benefits of using SolFree® made ribbons. It has been designed for users motivated by the SolFree® logo displayed on their products. In respect of our strategy, the SolFree® website is not referring to ARMOR as the manufacturer. If you wish to be supported by the ARMOR brand along with SolFree®, you can create a link to the dedicated section of [www.armor-tt.com](http://www.armor-tt.com).

[www.solfree-ttr.com](http://www.solfree-ttr.com) is another free tool from ARMOR for you to promote your ribbons.

## ► HOW TO IDENTIFY SOLFREE® ?



## SUSTAINABLE DEVELOPMENT



The film is produced in one of the industry's most organized and awarded factories:

### DECAPLAN:

Sustainable development action plan based on 10 leading topics involving all profiles of the company.



### Global Compact:

UNO initiative inviting companies to apply fundamental ethical and environmental values.



### Responsible Care:

International Council of Chemical Associations' charter towards constant improvements in health, safety and environment.



### Quality, health, safety and environment certifications:

ISO 9001 : 2008, N°QUAL/2007/28312  
ISO 14001 : 2004, N°ENV/2007/28315  
OHSAS 18001 : 2007, N°SMS/2007/28316



### AFAQ 1000NR (means millennium):

Evaluation of companies' state of advancement in sustainable development. ARMOR, 1<sup>st</sup> company to reach "Exemplary" level.

