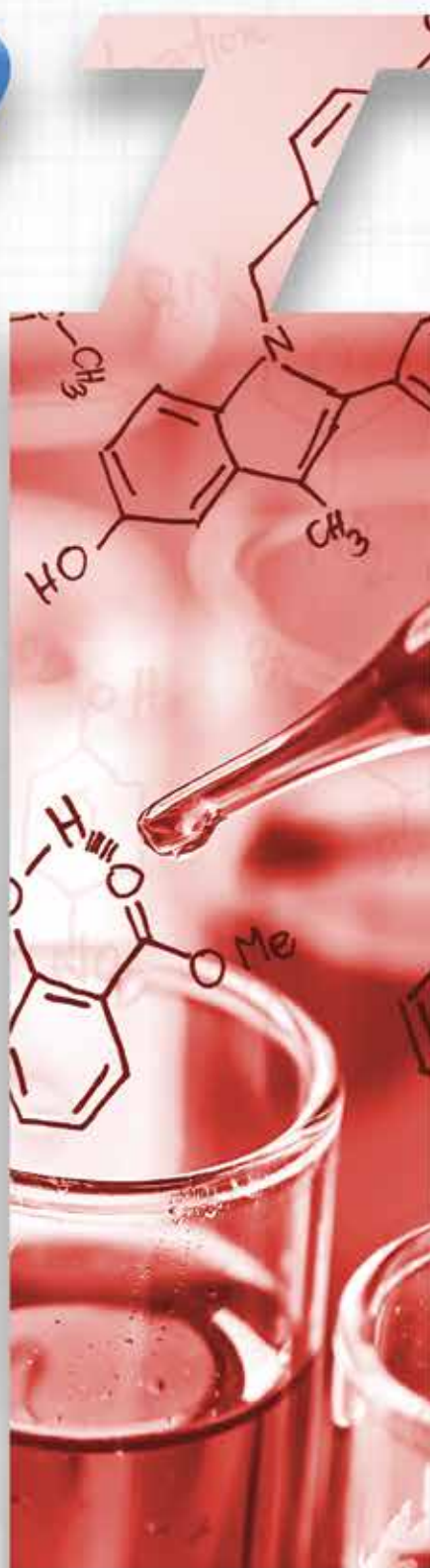


COMPANY LIKE A FAMILY



REGENERATION



TECHNOLOGY



COMMUNITY

CONTENTS



RTC

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CONTACT

- Phone
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- Address

RTC - COMPANY PROFILE

RTC Chemical is among the leading suppliers in the packaging industry with its environmentally friendly and sustainable technologies in adhesives, inks, and coating solutions.

Working in close collaboration with customers, **RTC Chemical** develop high-performance and reliable products to meet the needs of the food packaging and industrial markets. Our innovative product portfolio offers solution-oriented options that meet both today's and tomorrow's demands.

Our vision is to produce environmentally friendly products with high natural content in line with sustainability principles. Thanks to this approach, we not only meet our customers' needs at the highest level, but also contribute to leaving a livable world for future generations.

Thanks to our modern laboratories, expert team, and collaborations with technical universities, we develop innovative projects in areas such as flexible packaging adhesives, solvent and water-based inks, UV lacquer systems, and industrial adhesives. **RTC Chemical** continues to make a difference in the industry with its continuous development and innovation-focused work.

RTC CHEMICALS BY THE NUMBERS

15+

Exports to the Country

40+

Employee

20+

€ Million Turnover

10.000+

Ton Sales

RTC - R&D CENTER

Chemistry Empowered by Innovation

Experience in Ink and Adhesive Systems.
Highly Dynamic and Innovative Team
Members. Using of Advanced
Laboratory Technologies. R&D Center for
Ink and Adhesive Systems

University-Industry Collaboration

RTC Chemicals brings science and industry
together through joint R&D projects conducted
with esteemed academics from our country's
renowned universities. By combining academic
knowledge with sectoral experience, it develops
innovative and value-added solutions,
contributing to both the sector's and our
country's sustainable development.

Sustainable Recycling Material-Based Approach

We contribute to the circular economy
with our polyurethane systems
containing 25% recycled polymers.
We keep our environmental impact as
low as possible.

Sustainable High Bio-Content Product-Focused Approach

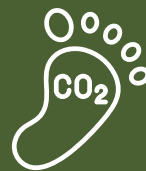
In every project, we develop environmentally
conscious, energy-efficient, and
human health-conscious solutions.
With our high bio-content and sustainable
product philosophy, we shape not only today's
but also tomorrow's standards. With our
products that protect nature, simplify life, and
add value to the industry, we contribute to a
greener, more livable future.

RTC -PROTECTING NATURE, SECURING THE FUTURE

We Take Responsibility For Children, The Future of Tomorrow.

With our responsibility toward nature,
we monitor our carbon footprint and
continuously develop new solutions to
reduce our environmental impact.

With our 500 kW solar power
plant investment, we generate our
energy from the sun, creating
value for a sustainable future.



We are renewing our raw materials
and equipment, reducing our carbon
footprint through the use of
recycled materials.
We also embrace Türkiye's 2053
net-zero carbon target



We prioritize the use of recyclable materials.
We are shifting from fossil fuel-based raw
materials to bio-based raw materials.



As RTC, we produce organic and
eco-friendly products using regenera-
tive farming methods.

Take

Responsibility

RTC - LIFE-CONSCIOUS AND SUSTAINABILITY-FOCUSED SOLUTIONS



APPLICATIONS

Flexible Packaging: Excellent lamination and printing solutions for the food, beverage, and hygiene industries.

Ink Systems: Solvent, water-based, and UV-based ink solutions combine colors and brighten our lives with low migration.

Lamination Adhesives: Meets strong and durable bonding solutions.

Custom Projects: Customer-focused formulations and innovative product development solutions. Not agreements.

Laboratory Services: Ink color studies, purpose-built adhesive and UV system development, analysis and laboratory analysis.



RTC - SUSTAINABILITY-FOCUSED SOLUTIONS



NCO	OH	MIXING	RCYCLED POLYMER RATIO	BIO-CONTENT RATIO	PERFORMANCE
102AR	101C	100:80		%53	Two-component, solvent-free adhesive with standard performance and short open time.
102AK	104C	100:80		%50	Two-component, solvent-free adhesive with standard performance and short open time.
102AK	300C	100:50		%52	Medium to high, long open time
 300A	300C	100:25	%25	%20	Two-component, high-performance, solvent-free adhesive with long open time and high chemical and heat resistance
 400			%20		Mono component high performance %20 recycled metarial containing adhesive

FLEXIBILITY MEETS STRENGTH

FLEXBOND

FLEXIBILITY MEETS STRENGTH

The Flexbond series adhesives are a product family developed for flexible packaging lamination applications. Solvent-based and solvent-free, single- and two-component adhesive options are available.



FLEXIBILITY MEETS STRENGTH



FLEXIBILITY MEETS STRENGTH

MONO COMPONENT SOLVENT-FREE ADHESIVES

It is preferred in paper, aluminum, and PE film lamination applications. Thanks to these properties, it finds a wide range of applications not only in the flexible packaging industry but also in the printing industry for cellophane lamination applications.



Common Product Solutions Compatible with Different Applications



Excellent Surface wetting



Resistance to High Temperatures, Chemicals, and Physical Effects

Product Code	Features
RTFB 200	Aromatic Structure, High Heat Resistant Standard Laminating Adhesive
RTFB 210	Aromatic Structure, Single Component, Low Viscosity Laminating Adhesive
RTFB 220	Aromatic Structure, High Adhesion and Low Coat Weight Laminating Adhesive
RTFB 250	Aliphatic Structure, Yellowing-Resistant, High Heat-Resistant Adhesive
RTFB 400	Single-Component 20% Recycled Polimer Content

FLEXIBILITY MEETS STRENGTH



FLEXIBILITY MEETS STRENGTH

MONO-COMPONENT SOLVENT-BASED ADHESIVES

Mono-component solvent-based adhesives cure with ambient humidity and form not only urethane bonds but also polyurea bonds. This allows the products to exhibit high initial adhesion strength while offering the user the advantage of a long open time. They can be used effectively in machines operating at different speeds and in basic production lines.



Product Code (NCO)	Features
RTFB 255	Sprayable adhesive with 40% solid content and very high initial tack.
RTFB M75A	Roller-type adhesive with 75% solid content and very high initial tack
RTFB 260	It is the long open-time version of RTFB 255 adhesive.

FLEXIBILITY MEETS STRENGTH

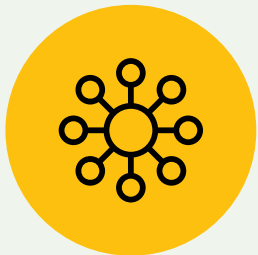
FLEX**BOND**

FLEXIBILITY MEETS STRENGTH

TWO-COMPONENT SOLVENT-FREE ADHESIVES

Two-component solvent-free lamination adhesives are designed with consideration of environmental factors and OHS regulations, as well as food regulations including REACH, EU 10/2011, FDA 175.105/21, EC 1935/2004, and FDA standards.

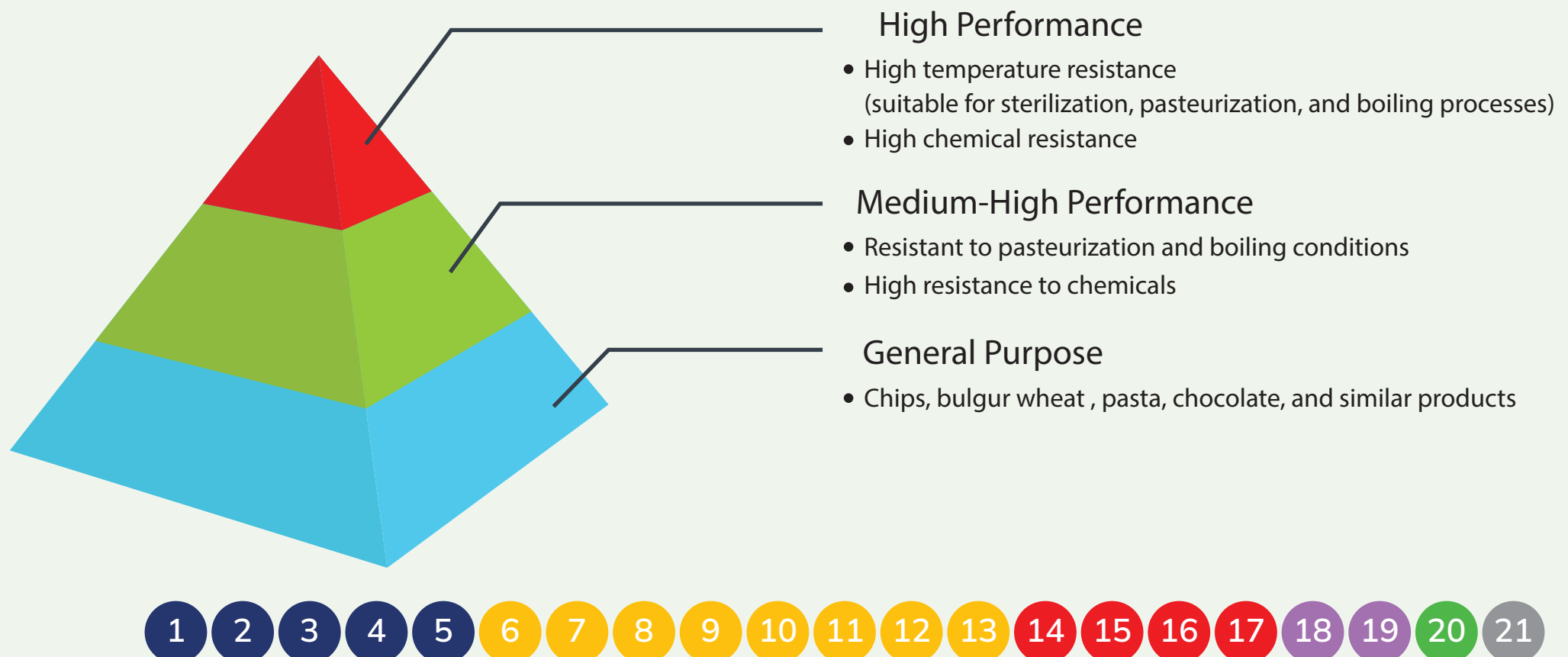
Our products, developed in both aromatic and aliphatic versions, are formulated to ensure excellent compatibility with all film and lamination machines.



Excellent Surface Wetting



Long Open Time

High Adhesion
PerformanceResistance to High Temperature,
Chemicals, and Physical Effects

FLEXIBILITY MEETS STRENGTH

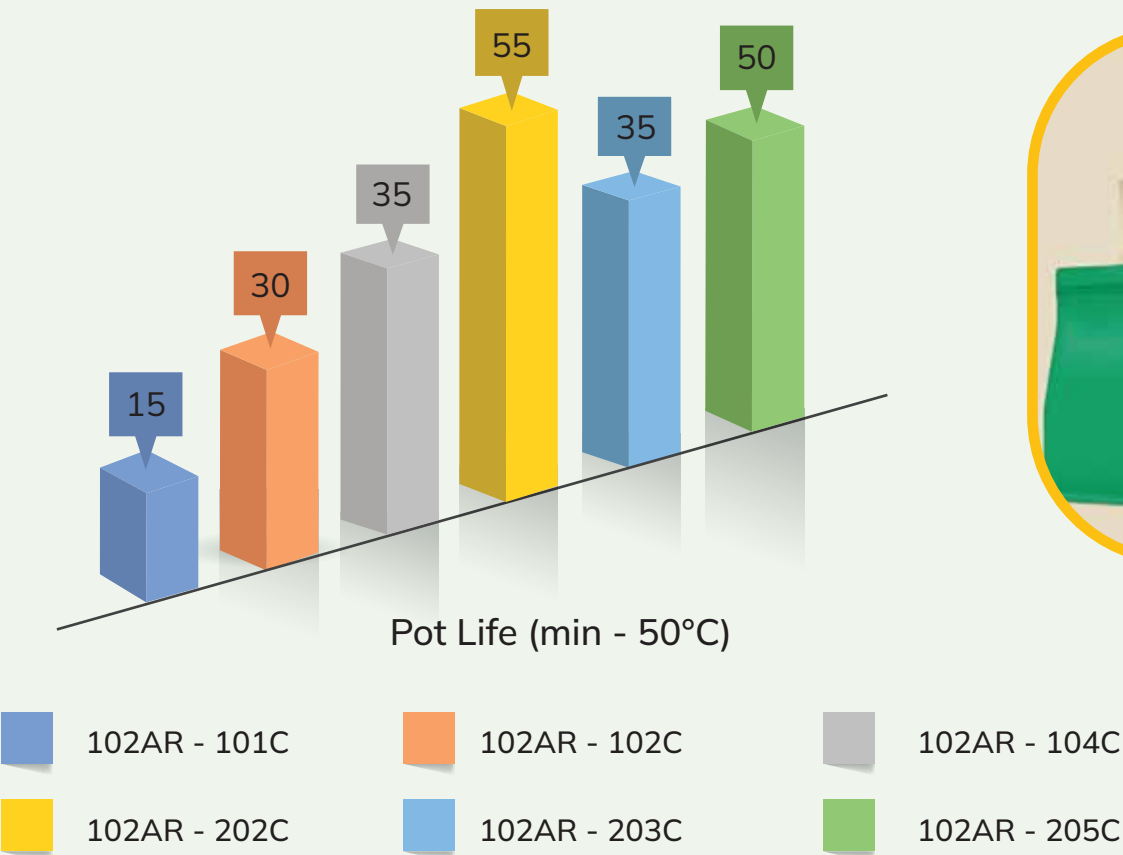


FLEXIBILITY MEETS STRENGTH

TWO-COMPONENT SOLVENT-FREE ADHESIVES

Standard Performance Solventless Lamination Adhesives

Product Code (A)	Product Code (C)	Mixing Ratio (w:w)	Features
RTFB 102 A	RTFB 104 C	100:80	It is an adhesive suitable for OPP/CPP/Metallized films with medium open time and standard performance.
RTFB 102 AR	RTFB 101 C	100:80	Standard-performance adhesive with short open time.
RTFB 102 AR	RTFB 104 C	100:80	Standard performance, long open time adhesive
RTFB 108 A	RTFB 101 C	100:80	This medium-to-high performance adhesive system is used for laminating standard transparent films and/or metallized films.



FLEXIBILITY MEETS STRENGTH



FLEXIBILITY MEETS STRENGTH

TWO-COMPONENT SOLVENT-FREE ADHESIVES

Medium-High Performance Solventless Lamination Adhesives

Product Code (A)	Product Code (C)	Mixing Ratio (w:w)	Features
RTFB 100 A	RTFB 101 CX	100:70	Medium-to-high performance, short open time adhesive suitable for laminating standard clear films and/or metallized films.
RTFB 100 A	RTFB 202 CX	100:60	This medium-to-high performance, long open time adhesive system is designed for multi-layer lamination of printed or unprinted films and aluminum foil.
RTFB 102 A	RTFB 203 C	100:55	Medium open time, medium-high performance, suitable for all films, easy-to-clean adhesives
RTFB 108 A	RTFB 205 CX	100:60	This medium-to-high performance adhesive system is suitable for multi-layer lamination of printed or unprinted films and aluminum foil
RTFB 108 A	RTFB 203 CX	100:50	Medium-to-high performance adhesive, compatible with low-speed lamination equipment.



RTFB 102 AR	RTFB 202 C	100:80	Medium-to-high performance adhesive, compatible with low-speed lamination equipment.
RTFB 102 AR	RTFB 203 C	100:50	This medium-to-high-performance adhesive system is used in the multi-layer lamination of printed or unprinted films and aluminum foil.
RTFB 102 AR	RTFB 205 C	100:65	Medium-to-high performance, medium-speed.
RTFB 102 AR	RTFB 300 C	100:40	Medium-to-high performance, medium-speed.
RTFB 1080 A	RTFB 205 C	100:75	Medium-to-high performance, medium-speed.
RTFB 120 A	RTFB 101 C	100:60	Medium-to-high performance lamination adhesive
RTFB 300 A	RTFB 300 C	100:25	Medium-to-high performance adhesive system containing recycled raw materials

FLEXIBILITY MEETS STRENGTH



FLEXIBILITY MEETS STRENGTH

TWO-COMPONENT SOLVENT-FREE ADHESIVES

High-Performance Solventless Lamination Adhesives

Product Code (NCO)	Product Code (OH)	Mixing Ratio (w:w)	Features
RTFB 100 A	RTFB 203 CX	100:40	High-performance adhesive system suitable for multi-layer laminations of printed or unprinted films and aluminum foil, with excellent chemical resistance.
RTFB 100 A	RTFB 223 C	100:40	This high-performance adhesive system is used for multi-layer lamination of printed or unprinted films and aluminum foil.
RTFB 100 A	RTFB 310 CX	100:50	Flexible, high-performance, with excellent chemical and heat resistance.
RTFB 120 A	RTFB 310 CX	100:30	High-performance adhesive for lamination.
RTFB 1085 A	RTFB 203 CX	100:50	High-performance adhesive for lamination.
RTFB 1050 A	RTFB 1203 C	100:90	Aliphatic laminating adhesives with high light fastness, fast-acting primer (primary), low amine content, suitable for high-speed lamination



FLEXIBILITY MEETS STRENGTH

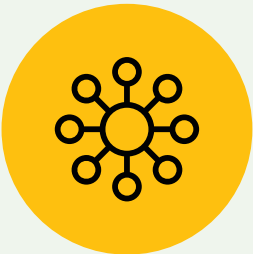


FLEXIBILITY MEETS STRENGTH

TWO-COMPONENT SOLVENT - BASED ADHESIVES

In our two-component solvent-based adhesives, ethyl acetate is used as the solvent. These products provide excellent adhesion performance even on difficult-to-bond surfaces.

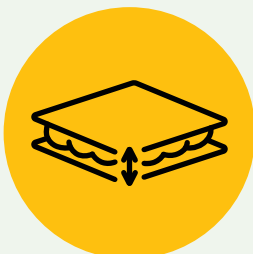
The adhesive film formed after the evaporation of the solvent ensures high transparency and allows for ideal lamination quality even on the most challenging surfaces.



Superior Surface Wetting



Low VOC Residue



High Adhesion Performance



High Resistance to Heat, Chemicals, and Physical Effects

Product Code (NCO)	Product Code (OH)	Mixing Ratio (w:w)	Features
RTFB 40A	RTFB 45C	100:10	This adhesive system is used in multilayer high-performance laminations of printed or unprinted films and aluminum foil.
RTFB 45A	RTFB 45C	100:50	High-performance lamination adhesive with chemical resistance and high heat durability.
RTFB 750 A	RTFB 80C	100:25	Standard-performance lamination adhesive.
RTFB 6100 A	RTFB 75 C	100:10	Lamination adhesive with reverse mixing property and high elongation resistance.
RTFB 8100 C	RTFB A 7514	100:35	This adhesive system is used in multilayer laminations of printed or unprinted films and aluminum foil.
RTFB 8200 C	RTFB A 7514	100:25	This adhesive system is used in multilayer laminations of printed or unprinted films and aluminum foil.

TECHNOLOGY BINDS THE COLOURS



TECHNOLOGY BINDS THE COLOURS



SOLVENT-BASED INKS

Ink Technology Compatible with All Film Structures

NORM SERIES

CMYK products have a PU-based composition and are ink systems compatible with all film types. These products offer better performance in terms of chemical and heat resistance compared to standard inks.

NORM CMYK SERIES

CMYK series have medium pigmentation level ranging from 11.5% to 12.5%. These products provide high adhesion performance on all film structures used in the packaging industry.

NORM WHITE SERIES

The white series has medium-to-high opacity and is formulated with a 45–50% solid content. Compared to standard white inks, its higher solids content and superior coverage provide significant advantages to the user.

Crossink offers a wide range of products, including solvent-based and water-based inks specially developed for the flexible packaging industry, as well as high-performance varnish and lacquer solutions.

TECHNOLOGY BINDS THE COLOURS



TECHNOLOGY BINDS THE COLOURS

SOLVENT-BASED INKS ULTRA SERIES

High-performance, autoclavable, and sterilization-compatible ink series. These inks provide smooth printing performance at high speeds in low-volume anlox machines.



ULTRA CMYK SERIES

It delivers exceptional adhesion performance on all film structures. It is resistant to high temperature fluctuations and mechanical stress. Even under challenging conditions such as sterilization and retort, it provides reliable performance, offering operational advantages to the user.

The pigment content in these series is 15-16%.

ULTRA WHITE SERIES

The Ultra White Series, with a high solids content (60–65%) and the highest opacity in the industry (68–70), exceeds standard industry benchmarks. Produced without fillers and using 100% TiO₂, our products provide users with high opacity and cost advantages in both flexo and roto printing applications. They are also suitable for sterilization and retort processes.

TECHNOLOGY BINDS THE COLOURS



TECHNOLOGY BINDS THE COLOURS



WATER-BASED SERIES



ARYA FILM SERIES

Provides a high-quality and cost-effective solution for flexible packaging applications.

- Allows high-speed printing thanks to its easy transfer properties.
- Saves time with high printing speed.
- Suitable for lamination processes.
- Can be safely used in napkin production due to its high chemical resistance.

ARYA KRAFT SERIES

Provides a high-quality and cost-effective solution for all types of KRAFT paper applications.

- Allows high-speed printing thanks to its easy transfer properties.
- Saves time with high printing speed.
- Can be easily used on KRAFT papers thanks to its vibrant and opaque colors.

WATER-BASED SYSTEMS WITH 0% VOC CONTENT FOR MORE SUSTAINABLE PRINTING.



VARNISHES AND LACQUERS – WHERE SURFACE QUALITY MEETS AESTHETICS

VARNISHES

Barrier Varnishes: Protect the packaging against external factors such as water, oil, and oxygen, and extend shelf life.



LACQUERS

Dispersion Lacquers: Offer water-based, eco-friendly, and fast-drying systems.

Heat Seal Lacquer: Activates with heat to provide adhesion; ideal for food and packaging applications.

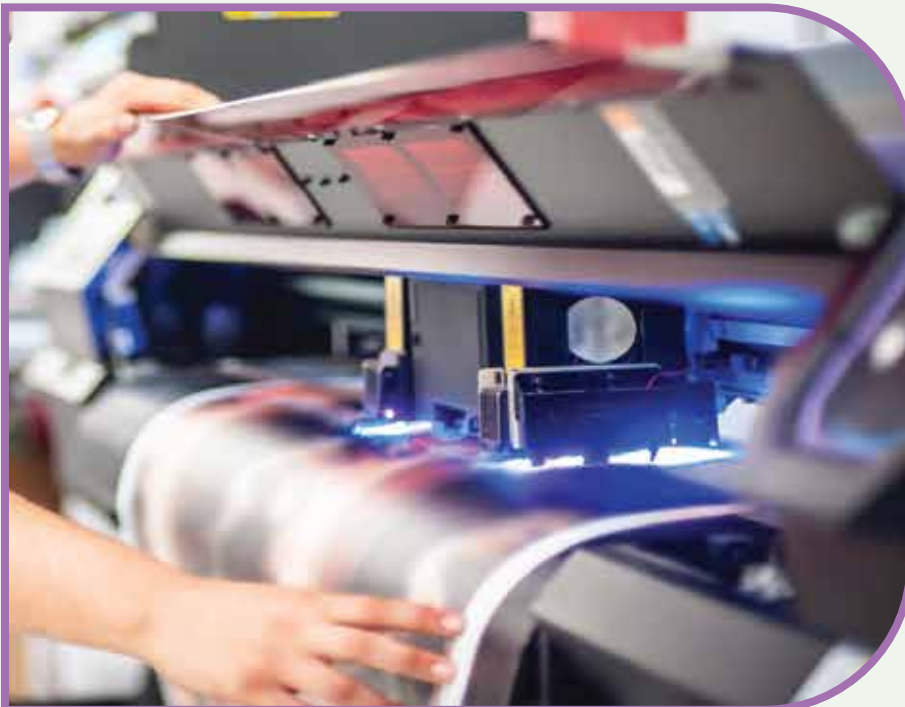
Antistatic Lacquers: Prevent static electricity on surfaces and reduce dust accumulation.

Primer Lacquers: Prepare the surface before lamination and printing, enhance print quality, and provide high heat and chemical resistance.

Overprint Lacquers: Add gloss to the printed surface while providing high heat and chemical resistance

UV-CURABLE COATING SYSTEMS

Evocure, developed by RTC Chemicals, is an innovative coating system that can be cured with ultraviolet (UV) light. Compared to traditional coating solutions, it offers faster drying, lower energy consumption, and superior surface durability. Enhancing efficiency in production processes, Evocure provides both decorative and protective solutions in the packaging and offset printing industries. With its long-lasting, high-performance, and eco-friendly structure, it brings the coating technology of the future to life today.



UV-curable flexo inks:

- CMYK
- Pantone
- White

PRODUCTIVITY MATTERS



PRODUCTIVITY MATTERS

UV-CURABLE COATING SYSTEMS

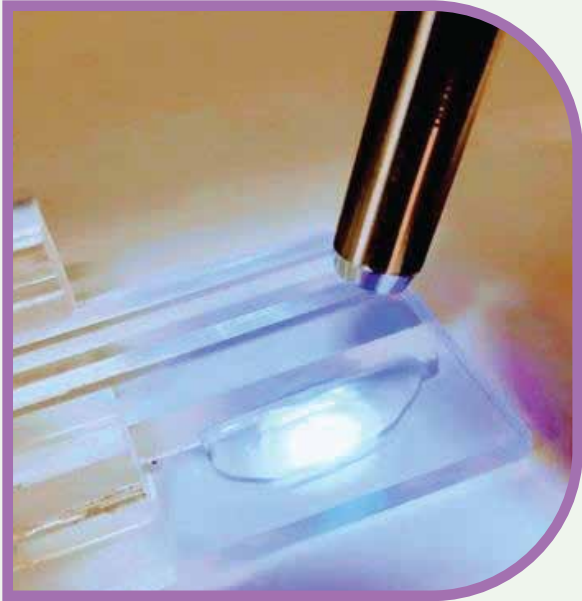
UV-curable Evocure epoxy, polyurethane, and polyester acrylates

Product Code (A)	Description	Acid Value	Viscosity (P @25)
EC EP 80:20	Epoxy Acrylate with 20% TPGDA Content	2-3	30-35
EC EPMPY 80:20	20% TPGDA - Polyester Modified	2-3	25-35
EC EPMPAM 80:20	20% TPGDA Amino-Modified Epoxy Acrylate	2-3	25-35
EC EPBIO 80:20	Epoxy Acrylate with 20% TPGDA and 80% Bio Content	4-5	10-20
EC PU20	2-Functional Urethane Acrylate	1-5	10-30
EC PU30	3-Functional Urethane Acrylate	3-7	20-50
EC PU60	6-Functional Urethane Acrylate	5-10	50-100
EC PU20PAM	Amino-Modified 2-Functional Urethane Acrylate	1-5	10-30
EC PU30PAM	Amino-Modified 3-Functional Urethane Acrylate	3-7	10-30
EC PU60PAM	Amino-Modified 6-Functional Urethane Acrylate	5-10	20-40
EC PEA 201	Solvent-Free Polyester Acrylate	1-2	30-40
EC PEA 2010	Solvent-Free Modified Polyester Acrylate	1-2	30-50



UV-CURABLE EVOCURE LACQUER SYSTEMS

Product Code (A)	Description	Viscosity (P @25)	Cure Time
EC SPLK 9011	Standard Cure 100% Solids Gloss Topcoat	250-350	30–40 sec (Mercury Lamp)
EC YPLK 9200	Standard Cure 100% Solids Gloss Topcoat	250-350	20–30 sec (Mercury Lamp)
EC MTLK 7000	Standard Cure 100% Solids Matte Topcoat	500-700	30–40 sec (Mercury Lamp)
EC EMBLK 7000	Standard Cure 100% Solids Emboss Topcoat	4500-6000	30–40 sec (Mercury Lamp)



MONOMERS

- TPGDA (Tripropylene Glycol Diacrylate)
- HDDA (1,6-Hexanediol Diacrylate)
- PET3A (Pentaerythritol Triacrylate)
- HPPA (2-Hydroxypropyl Acrylate)
- HPHA (2-Hydroxypropyl Acrylate)
- TMPTA (Trimethylolpropane Triacrylate)
- IBOA (Isobornyl Acrylate)
- DPGDA (Dipropylene Glycol Diacrylate)

LABORATORY SERVICES

LABORATORY TESTS

- Ink Color Studies
- Ink Abrasion Tests
- COF (Coefficient of Friction) Tests
- Heat Resistance Tests
- Chemical Resistance Test (Wet Wipes)
- Autoclave/Retort Test
- Thermal Jaw Pressure Tests
- Tensile and Tear Strength Test
- Lamination Performance Test
- Coating Yellowing Test

LABORATORY ANALYSES

- GC Analyses
- FTIR Analyses
- DSC Analyses
- Rheometry Analyses
- Moisture Content Analyses

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