



ichemco

Pressure Sensitive Adhesives
Specialty Chemicals

PRODUCTS FOR PACKAGING TAPES

PRODUCTS FOR PROTECTIVE FILMS

PRODUCTS FOR LABELS

PRODUCTS FOR SPECIAL TAPES

PRODUCTS FOR MASKING TAPES

PRODUCTS FOR LAMINATION

PRODUCTS FOR HEALTH CARE



UNI EN ISO 9001:2008



UNI EN ISO 14001:2004





mission

Ichemco's mission is to be a technology leader in the field of pressure sensitive adhesives and non-silicone release coatings. Profound knowledge of all existing technologies combined with flexibility and experience are key factors in our success. "Quality first" has always been, and still is, our motto. Our ISO 9001:2008 Quality Management System guarantees consistent performance for our customers. We believe in sustainable development and are steadfastly committed to the development of environmentally friendly products for our customers as well as those employed in our own manufacturing processes. The installation of a 200 kWh solar power plant was completed in 2011 and provides for up to 40% of our electrical demand.



PRODUCTS FOR PACKAGING TAPES

PRODUCTS FOR PROTECTIVE FILMS

PRODUCTS FOR LABELS

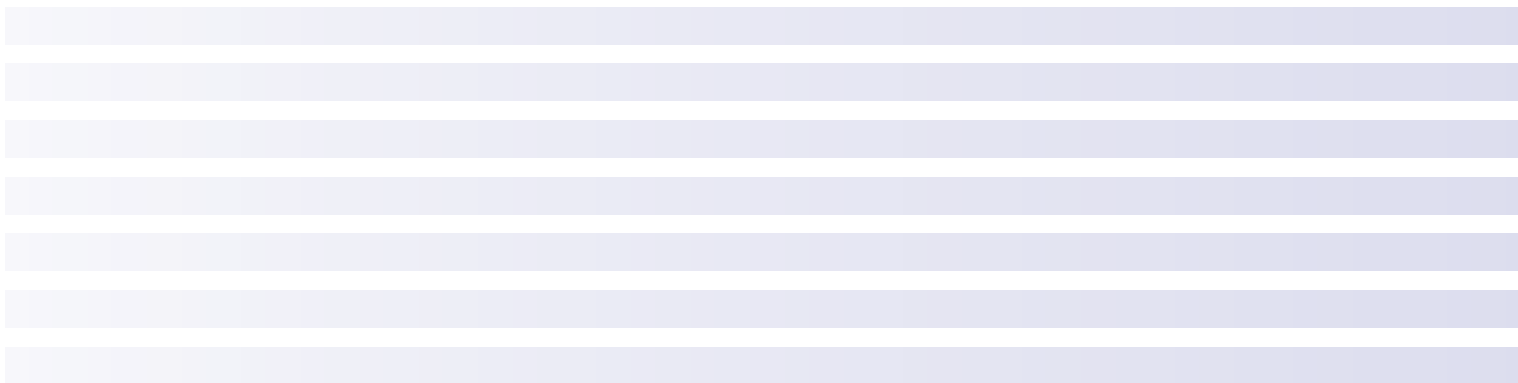
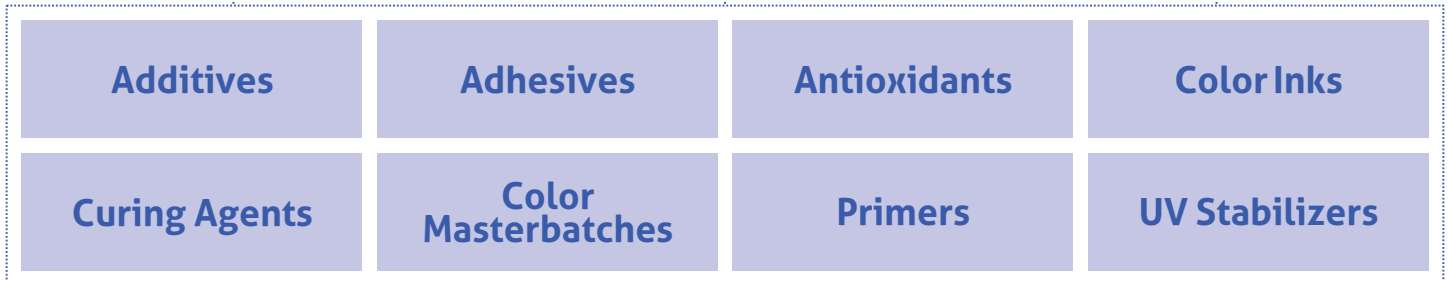
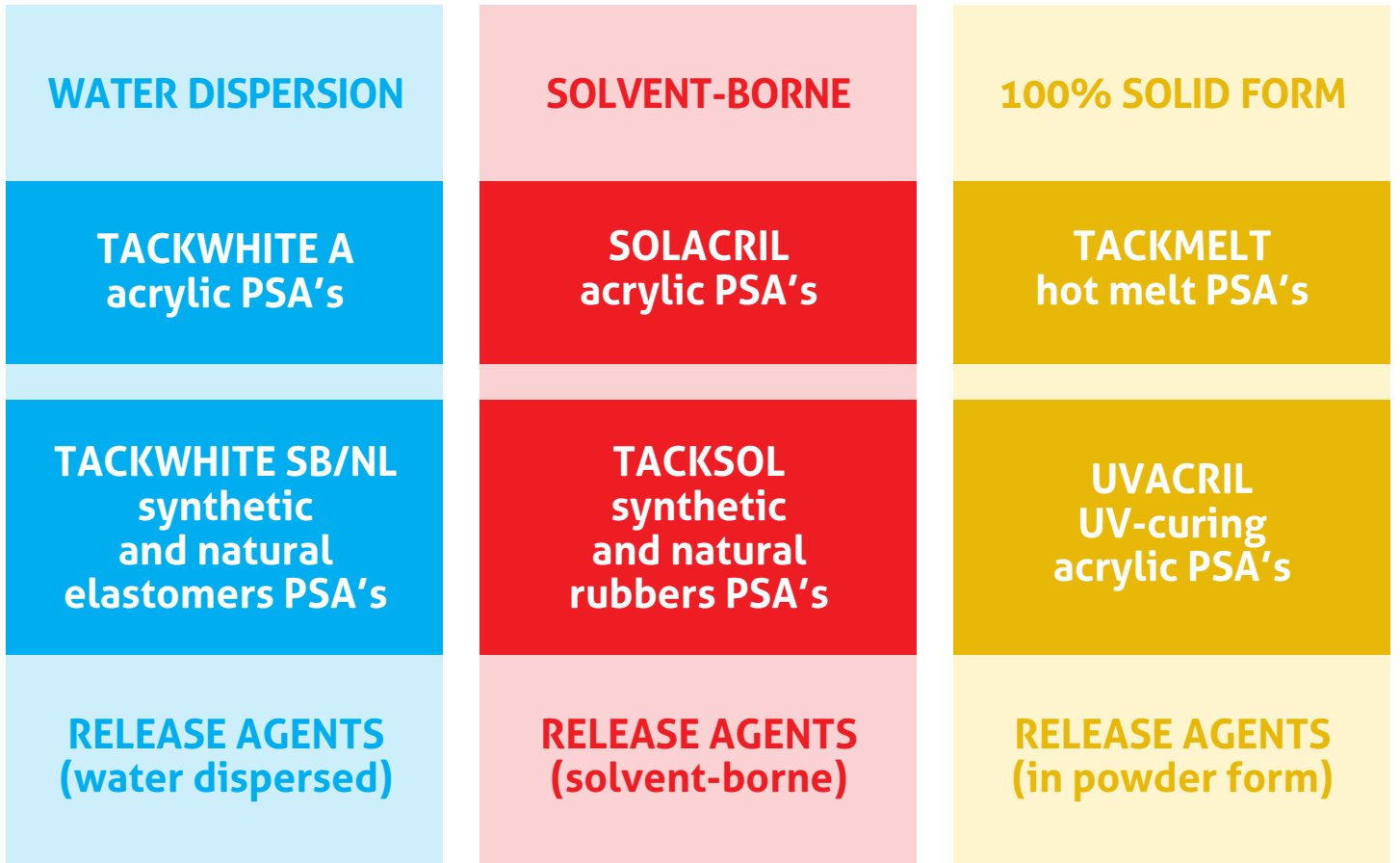
PRODUCTS FOR SPECIAL TAPES

PRODUCTS FOR MASKING TAPES

PRODUCTS FOR LAMINATION

PRODUCTS FOR HEALTH CARE

OUR CHEMICAL EXPERTISE





milestones

- 1979** Ichemco established in Sedriano (Milan). Business activity focuses on leather, textiles, plastic, rubber and adhesives.
- 1982** Acquisition of a production facility in Pogliano Milanese. Manufacture of primers, antioxidants, acrylic waterborne dispersions and release systems in solvent begins.
- 1989** Ciba-Geigy (later Ciba Specialty Chemicals, now part of the BASF group) appoints Ichemco as official distributor for their antioxidants division in the Italian adhesive market.
- 1990** Production of solventborne self-crosslinking acrylic formulations begins.
- 1994** After a fire on the premises, the plant in Pogliano Milanese is completely rebuilt in six months and new machinery installed with no interruption of activities.
- 1997** Ichemco expands its distribution network, achieving a rapid expansion into the global PSA market.
- 2000** Ichemco appointed as Dow Corning's official distributor.
- 2003** The company moves to a completely new production site (20,000 m²) in Cuggiono (Milan). The product portfolio expands to include SIS hot melt PSA's, UV-curable resins and new waterborne release systems for BOPP, PE and PVC.
- 2007** Acquisition of the German company K+K CHEMIE. A modern, environmentally-sustainable process for the manufacturing of the new PVODC release agents in powder is implemented.
- 2014** Production of SIS hot melt PSA's in pillows.

PRODUCTS FOR PACKAGING TAPES

PRODUCTS FOR PROTECTIVE FILMS

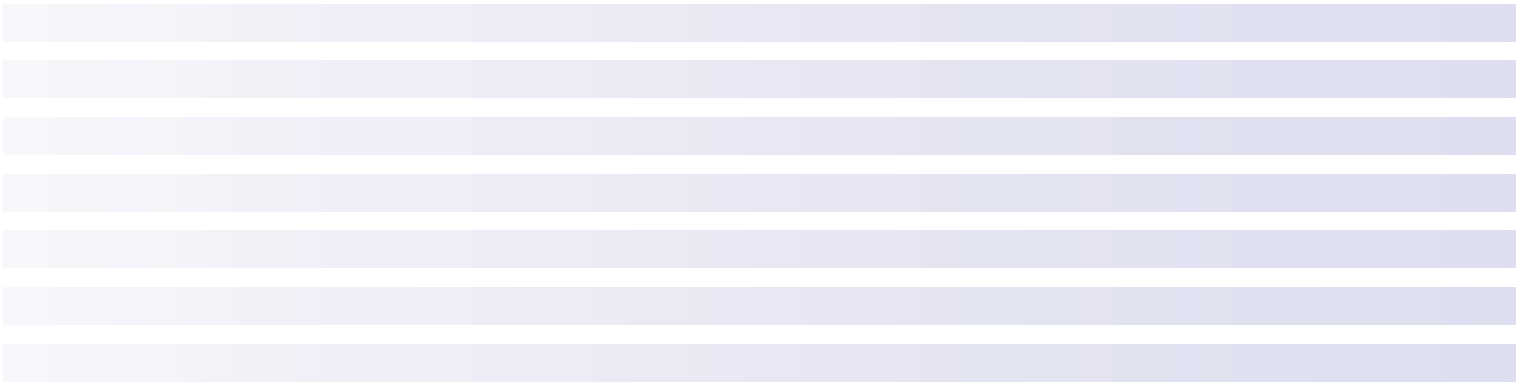
PRODUCTS FOR LABELS

PRODUCTS FOR SPECIAL TAPES

PRODUCTS FOR MASKING TAPES

PRODUCTS FOR LAMINATION

PRODUCTS FOR HEALTH CARE





laboratory

With over 35 years of experience in the field of pressure sensitive materials, Ichemco is able to assist you with its state-of-art infrastructure. Our laboratory facilities are outfitted with cutting-edge equipment, including two flexible pilot coating lines, designed to work with all existing product and coating technologies (hot melt, UV curable, solventborne and waterborne). Experienced technicians will assist you in the choice and customization of products addressing your specific needs. Know-how and flexibility are our strong points.

Customers value our knowledge and time-honored experience. Let us be your partner in success from product concept and process planning to production and beyond.

Laboratory Testing Equipment

Across most of the EMEA region, Ichemco represents the American company ChemInstruments, world leader in the production of laboratory equipment dedicated to R&D and quality assurance testing of pressure sensitive adhesive products. We supply dedicated machines for common testing such as peel adhesion, release force, tack, shear and SAFT, among others, including devices and accessories for sample preparation (coaters, laminators, roll-down machines, hand rollers, cutters and panels to name a few).

PRODUCTS FOR PACKAGING TAPES

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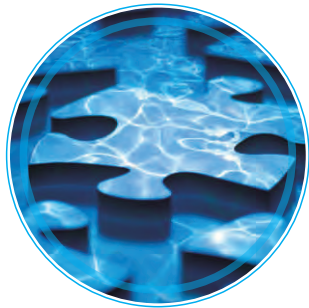
ACRYLIC DISPERSIONS

	TS (%)	R.B.T.* (cm)	Peel* (N/cm)	Shear* (h)	Solvent	Properties
TACKWHITE A83	53	4	3.0	> 50	water	No noise
TACKWHITE A65	50	4	3.2	>100	water	High cohesion



SBR DISPERSIONS

	TS (%)	R.B.T.* (cm)	Peel* (N/cm)	Shear* (h)	Solvent	Properties
TACKWHITE W4 PACK	48	4	3.0	>200	water	High cohesion



ADDITIVES

	Properties
DEFOAMER FL9	Modified siloxane defoamer for adhesives
DEFOAMER FL1 CONC	Non-silicone defoamer for all type of water dispersions
WETTING AGENT 62	Improves wettability



PRIMERS

	Properties
PRIMER EPA-W	Waterborne primer for treated and untreated PP for rubber adhesives
PRIMER EPA-W5	Primer for treated PP, improved anchorage of acrylic adhesives and inks
VINILPRIMER E5 B	Waterborne primer for rigid and plasticized PVC

*Average values; 22±2 g/m² of dry adhesive on PET film 36 µm.

*On BOPP film 23 µm corona treated 42 dyne/cm, coated with release 0.04 g/m² with Mayer bar rod 2 TESA test tape 7475, test speed 3m/min.

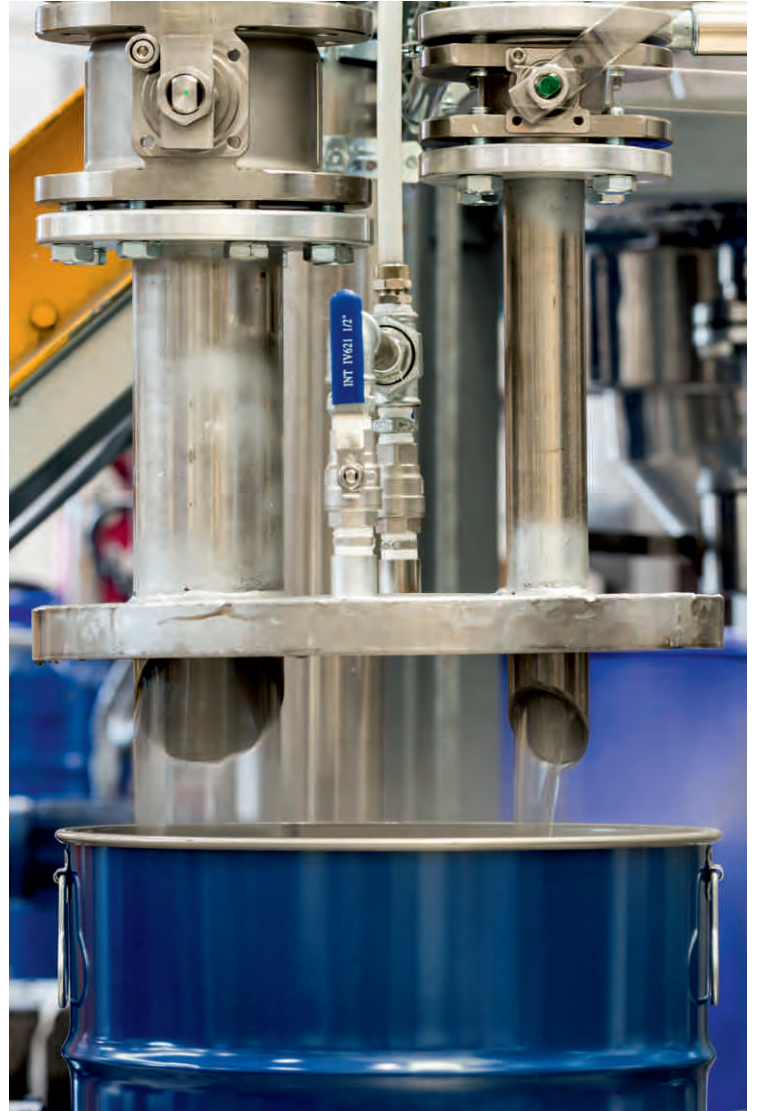




WATERBORNE RELEASE AGENTS

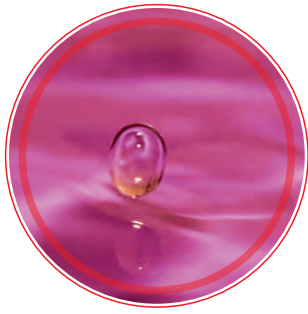
Environmental issues are gaining more and more importance. Ichemco acknowledged this trend and is now able to propose a complete new series of waterborne release systems for BOPP packaging tapes.

	TS (%)	Release Power ⁺ (N/cm)	Properties
RELEASE PP 25W	23	2.5	Not suitable for acrylics, requires corona treatment
RELEASE RCW 25 A	20	3.5	General purpose, does not require corona treatment
RELEASE PP 55W	22.5	4.0	General purpose, requires corona treatment



PRODUCTS FOR PACKAGING TAPES

Ichemco has been your quality partner in the world of packaging tapes since 1979. Tailor made pressure sensitive adhesives, primers compatible with all kinds of substrates, defoamers, color pastes, curing agents and release systems will solve whatever problem you may have.



PRIMERS

Properties

PRIMER EPA-SOL 10	Solventborne primer for PP; cured with CURING AGENT D or RF-AE
PRIMER EPX-2 DRY	Primer for printing on all types of PP tapes without corona treatment
PRIMER PP10	For polyolefins, improves anchorage of rubber based adhesives
VINILSOL 10	10% toluene primer solution for PVC. Compatible with isocyanates
VINILSOL DRY	100% powder form of VINILSOL 10



ANTIOXIDANTS

Properties

ANTIOX AHM / AHM FF2 D	Special synergistic system for adhesives in SIS and SBS thermoplastic rubber (hot melt) and NR (solvent). FF2: free flowing version
ANTIOX AHM PELLETS	Same as AHM in properties, with better flowing behavior for continuous feeding, no dusting
ANTIOX ASX / B6682	Synergistic systems suitable for natural and synthetic rubber adhesives in solvent solution
ANTIOX ASX3 DF	Same as ASX, no dusting



CURING AGENTS

Properties

CURING AGENT CH	Polyisocyanate crosslinker for adhesives and primers; 100% TS
CURING AGENT D	Isocyanate crosslinker in toluene for primer + solvent-based adhesive systems
CURING AGENT RF-AE	Isocyanate crosslinker in ethyl acetate for adhesives and primers



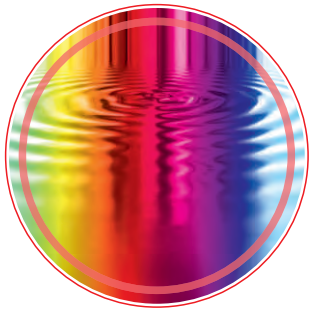
COLOR MASTERBATCHES

Properties

COLORPASTE S (Series)	Brown, white or colored pigmented pastes for solvent-based adhesive masses
COLORTAPE HM (Series)	Brown or white masterbatches, based on SIS for HM masses, with more than 80% pigment
COLORPASTE W (Series)	Color concentrates for waterborne pressure sensitive adhesives

* On BOPP film 23 μm corona treated 42 dyne/cm, coated with release 0.04 g/m² with Mayer bar rod 2 TESA test tape 7475, test speed 3m/min.





COLOR INKS SERIES

A complete range of inks is available for printing all sorts of tapes and protective films.

Properties

COLOR INK PP NITRO	Ready to use inks specifically developed to print PP adhesive tapes with a three station printing process (primer, ink, release)
COLOR INK PP PAMC	Special polyamidic inks, concentrated, designed for printing on BOPP tapes, coated with waterborne acrylic, hot melt or solvent adhesives
COLOR INK PP PAM+ADD	As PAMC Series, with "additive" already included. Strong anti-ageing effect
COLOR INK NS	Solventborne inks for under adhesive (sandwich) printing on PP tapes
COLOR INK WN	Waterborne inks for under adhesive (sandwich) printing on PP tapes
COLOR INK PVC	For the printing of PVC tapes. Excellent brightness, adhesion and flexibility, resistance to rubbing, printability. Our PVC inks come in a wide range of colors which enable a printer, starting with our base colors, to easily reproduce any color gradation you may require



RELEASE AGENTS 100% SOLIDS

Melting Point Release Power⁺ Properties

	Melting Point (°C)	Release Power ⁺ (N/cm)	Properties
RELEASE K100 D	90	0.50	For PP, PVC and PET. Soluble in toluene or octane/IPA
RELEASE K100 H	97	0.55	High melting version of release K100 D
RELEASE K100 ES	90	0.65	Low noise with appropriate PSA



RELEASE AGENTS IN SOLVENT SOLUTION

TS Release Power⁺ Properties

	TS (%)	Release Power ⁺ (N/cm)	Properties
RELEASE PP25 S	23	0.45	Release agent for PP, PVC, PET in xylene solution
RELEASE PP25 ECO	24	0.50	Aromatic solvent free version of RELEASE K100 D
RELEASE PP25 K	25	0.50	25% toluene solution of RELEASE K100 D

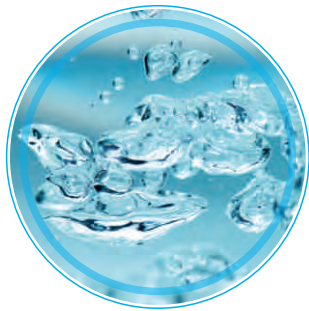
PRODUCTS FOR PACKAGING TAPES

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ACRYLIC DISPERSIONS

	TS (%)	R.B.T.* (cm)	Peel* (N/cm)	Shear* (h)	Solvent	Properties
TACKWHITE NA55	50	8	0.30	> 30	water xylene	Ultra-easy peel
TACKWHITE AP5 M	49	8	0.60	> 50	water	Ultra-easy peel
TACKWHITE AP79	50	10	0.80	20	water	Easy peel
TACKWHITE NA1	45	6	1.4	>200	water	High tack
TACKWHITE HT200 NC	50	7	2.8	200	water	High cohesion, thermal stability
TACKWHITE AP15	44	12	3.0	>100	water	Water resistant
TACKWHITE AP03 HP	50	9	6.0	> 50	water	For carpets



SBR DISPERSIONS

	TS (%)	R.B.T.* (cm)	Peel* (N/cm)	Shear* (h)	Solvent	Properties
TACKWHITE RP9	40	11	0.9	>100	water	Easy peel
TACKWHITE RP10	45	10	3.2	>100	water	Medium tack



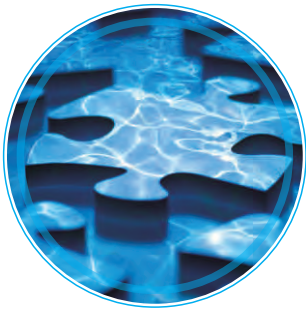
CURING AGENTS

	Properties
CURING AGENT WS5	Ethylenurea crosslinker in water dispersion, for waterborne adhesives
CURING AGENT X7 / PZ-28	Polyaziridines for both water and solvent systems, suitable for room temperature curing
CURING AGENT W3	Water dispersible isocyanate for waterborne adhesives
CURING AGENT W9	Water dispersible isocyanate for acrylic and PU dispersions

* Average values; 22±2 g/m² of dry adhesive on PET film 36 µm.

* On BOPP film 23 µm corona treated 42 dyne/cm, coated with release 0.04 g/m² with Mayer bar rod 2 TESA test tape 7475, test speed 3m/min.





ADDITIVES

Properties

DEFOAMER FL9	Modified siloxane defoamer
DEFOAMER FL1 CONC	Non silicone defoamer for all type of water dispersions (release, primers, adhesives)
WETTING AGENT 62	Improves film wettability
THICKENER SL 6103	Thickener for waterborne acrylic, SBR and NL products
THICKENER PU3	Thickener for waterborne PU and NL products
THICKENER NL	Thickener for waterborne acrylics, SBR and NL products



WATERBORNE RELEASE AGENTS

Environmental issues are becoming more and more important. Ichemco acknowledges this trend and is pleased to offer an entire new series of waterborne release systems for PE protective films.

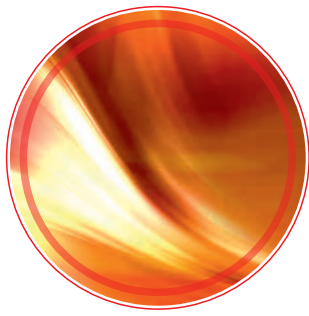
TS Release Power+ Properties

	TS (%)	Release Power+ (N/cm)	Properties
RELEASE PP 25W	23	2.5	Not suitable for acrylics, requires corona treatment
RELEASE RCW 25 A	20	3.5	General purpose, does not require corona treatment
RELEASE PP 55W	22.5	4.0	General purpose, requires corona treatment



PRODUCTS FOR PROTECTIVE FILMS

Regardless of the surface you need to protect, Ichemco provides you with the appropriate combination of products. From ultra-easy peel to special or rough surfaces. The choice of the appropriate curing agent will be a crucial factor for a clean removal without ghosting and residues.



ACRYLIC SOLVENTBORNE ADHESIVES

	TS (%)	Loop Tack* (N/cm)	Peel* (N/cm)	Shear* (h)	Viscosity (mPa.s)	Solvent	Properties
SOLACRIL 203	40	2.0	2.8	n.a.	1,500-3,000	ethyl acetate	For any kind of substrate
SOLACRIL 204	50	5.0	2.8	n.a.	2,000-4,000	toluene hexane	For any kind of substrate
SOLACRIL 744	50	1.6	4.0	30	4,000-8,000	ethyl acetate	Self crosslinking
SOLACRIL 105 ACP 50		8.0	11	1	3,500-6,500	ethyl acetate	For aluminum panels



NATURAL RUBBER SOLVENTBORNE ADHESIVES

	TS (%)	R.B.T.* (cm)	Peel* (N/cm)	Shear* (h)	Viscosity (mPa.s)	Solvent	Properties
TACKSOL 10/86 EPM	17	4	1.6	>100	12,000-18,000	heptane	Low peel
TACKSOL 10/84	30	7	3.0	>100	15,000-30,000	hexane	Low tack
TACKSOL 10/83 B	22	2	2.8	>100	4,000-10,000	hexane	Medium adhesion
TACKSOL 10/85 HST	25	2	3.0	>100	15,000-30,000	toluene hexane	Medium adhesion
TACKSOL 10/83 EPM	17	4	3.2	>100	350-650	heptane	Low viscosity
TACKSOL 10/86 HS	30	3	3.8	>100	10,000-25,000	hexane	High peel
TACKSOL 10/86 HT	30	2	4.4	>100	7,000-16,000	hexane	High peel
TACKSOL 10/89 HS	30	2	5.2	>100	5,000-10,000	hexane	For rough surfaces
TACKSOL 10/89 HS EPM	30	2	5.2	>100	5,000-10,000	heptane	For rough surfaces

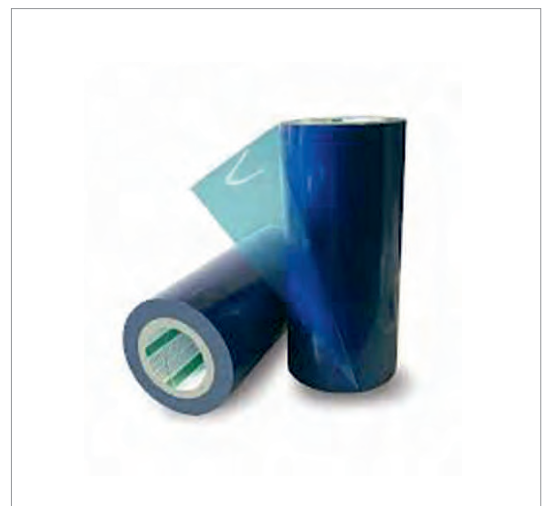


ANTIOXIDANTS

	Properties
ANTIOX ASX / B6682	Synergistic systems suitable for natural and synthetic rubber adhesives in solvent solution
ANTIOX ASX3 DF	Same as ASX, no dusting

* Average values; 22±2 g/m² of dry adhesive on PET film 36 µm.

* On BOPP film 23 µm corona treated 42 dyne/cm, coated with release 0.04 g/m² with Mayer bar rod 2 TESA test tape 7475, test speed 3m/min.





CURING AGENTS

Properties

CURING AGENT RF-AE	Isocyanate crosslinker in ethyl acetate for solventborne and primers. Fast curing, 27% TS
CURING AGENT D	Isocyanate (MDI) crosslinker in toluene for solventborne adhesives and primers, 65% TS
CURING AGENT CH	Polyisocyanate crosslinker for adhesives and primers, 100% TS
CURING AGENT MDI	Isocyanate (MDI) crosslinker, 100% TS
CURING AGENT X7 / PZ-28	Polyaziridines for both water and solvent systems, suitable for room temperature curing, 100% TS



RELEASE AGENTS 100% SOLIDS

Melting Point Release Power+ Properties

	Melting Point (°C)	Release Power+ (N/cm)	Properties
RELEASE K100 D	90	0.50	For PP, PVC and PET. Soluble in toluene or octane/IPA
RELEASE K100 DI	90	0.60	Better soluble version of D
RELEASE K100 ES	90	0.65	Low noise with appropriate PSA
RELEASE K100 E	90	0.60	Co-extrusion grade for PP and PE



RELEASE AGENTS IN SOLVENT SOLUTION

TS Release Power+ Properties

	TS (%)	Release Power+ (N/cm)	Properties
RELEASE PP25 S	23	0.45	Release agent for PP, PVC, PET in xylene solution
RELEASE PP25 ECO	24	0.50	Without aromatic solvents, available also diluted
RELEASE PP25 K	25	0.50	25% toluene solution of RELEASE K100 D

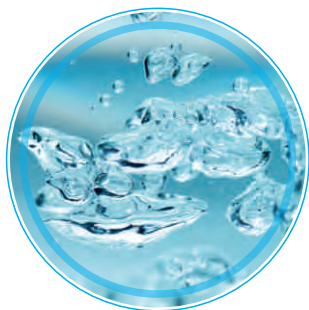
PRODUCTS FOR PROTECTIVE FILMS

Regardless of the surface you need to protect, Ichemco provides you with the appropriate combination of products. From ultra-easy peel to special or rough surfaces. The choice of the appropriate curing agent will be a crucial factor for a clean removal without ghosting and residues.



ACRYLIC DISPERSIONS

	TS (%)	R.B.T.* (cm)	Peel* (N/cm)	Shear* (h)	Solvent	Properties
TACKWHITE AMC 1A	38	9	0.10	n.a.	water	Ultra-removable
TACKWHITE AMC 20	40	7	0.12	n.a.	water	Ultra-removable
TACKWHITE AMC 21	40	20	0.19	n.a.	water	For film labels
TACKWHITE AMC3 D	41	15	0.8	n.a.	water	Ultra-removable
TACKWHITE AMC4 D	47	15	2.0	n.a.	water	Ultra-removable
TACKWHITE AP15	44	12	3.0	>100	water	Removable
TACKWHITE A33	51	7	3.2	100	water	Plastic and paper labels
TACKWHITE CR72HV	55	4	3.2	>100	water	Deep-freeze labels
TACKWHITE AR 35	52	7	3.2	>100	water	Application on wet surfaces
TACKWHITE A22 RP	51	12	3.2	>100	water	PVC labels resistant to plasticizers
TACKWHITE A25	49	10	4.0	> 50	water	Resistant to pasteurization processes
TACKWHITE A62 SF	51	4	4.0	> 2	water	Permanent
TACKWHITE A38	53	4	4.4	> 2	water	Labels, removable in alkaline water
TACKWHITE A76 D	50	7	5.0	> 50	water	Paper and plastic labels
TACKWHITE A62 SF2	50	4	5.6	> 10	water	Super-permanent
TACKWHITE A2P 50	49	4	7.3	> 1	water	Super-permanent, for demanding surfaces



SBR DISPERSIONS

	TS (%)	R.B.T.* (cm)	Peel* (N/cm)	Shear* (h)	Solvent	Properties
TACKWHITE A205 SL	52	3	4.0	> 50	water	Permanent labels, high tack
TACKWHITE SB4 SL2	51	7	7.7	4	water	Super-permanent labels
TACKWHITE SB5 SL5	50	15	8.9	> 3	water	Super-permanent labels

*Average values; 22±2 g/m² of dry adhesive on PET film 36 µm.



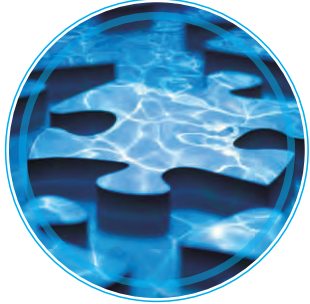


PRIMERS

Properties

PRIMER MC-K

Water based primer for treating paper that will be coated with removable microspheres acrylic adhesives



ADDITIVES

Properties

DEFOAMER FL9

Modified siloxane defoamer

DEFOAMER FL1 CONC

Non silicone defoamer for all type of water dispersions (release, primer, adhesive)

WETTING AGENT 62

Improves film wettability

THICKENER SL 6103

Thickener for waterborne acrylic, SBR and NL products

THICKENER PU3

Thickener for waterborne PU and NL products

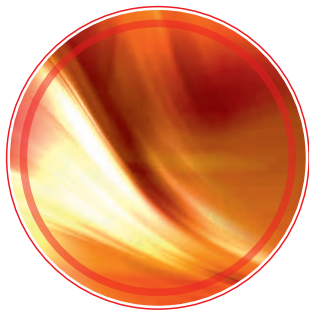
THICKENER NL

Thickener for waterborne acrylic, SBR and NL products



PRODUCTS FOR LABELS

Labels are part of our daily lives and a world without them would be difficult to imagine. Ichemco provides the perfect pressure-sensitive adhesive for every type of label, from the ultra-removable to the super-permanent, and for any kind of substrate whether it's paper, poly-olefines, or a non-woven surface.



ACRYLIC SOLVENTBORNE ADHESIVES

	TS (%)	Loop Tack* (N/cm)	Peel* (N/cm)	Shear* (h)	Viscosity (mPa.s)	Solvent	Properties
SOLACRIL 2010	55	3.6	5.6	200	4,000-10,000	toluene hexane	Permanent for paper and film labels
SOLACRIL 758	50	3.2	6.9	200	2,000-4,000	ethyl acetate cyclohexane	For polyolefins, high peel



SYNTHETIC RUBBER SOLVENTBORNE ADHESIVES

	TS (%)	R.B.T.* (cm)	Peel* (N/cm)	Shear* (h)	Viscosity (mPa.s)	Solvent	Properties
TACKSOL SPR 33	33	n.a.	n.a.	n.a.	3,500-10,000	heptane cyclohexane isooxane	Permanent adhesive for spray



ACRYLIC UV CURABLE ADHESIVES

	Radiation (mJ/cm ²)	Loop Tack# (N/cm)	Peel# (N/cm)	Shear# (h)	SAFT# (°C)	Properties
UVACRIL R2 (60 g/m ²)	20	2.8	0.90	>100	>185	Removable if well cured; deep freeze applications for low cured
	40	2.4	0.60	>100	>185	
	60	1.4	0.48	>100	>185	
UVACRIL M26 (40 g/m ²)	20	7.3	8.4	> 24	140	Semi-removable
	40	6.0	5.6	> 24	>185	
	60	5.6	5.6	> 24	>185	
UVACRIL P3 (40 g/m ²)	20	7.3	5.6	>100	130	Permanent
	40	6.5	4.8	>100	185	
	60	5.6	4.8	>100	185	
UVACRIL M25 (40 g/m ²)	20	9.2	8.4	> 24	130	Super-permanent, very high peel
	40	8.0	6.5	> 24	>185	
	60	6.5	6.9	> 24	>185	

* Average values; 22±2 g/m² of dry adhesive on PET film 36 µm.

* Average values; adhesive diluted at 60% in toluene; 22±2 g/m² of dry adhesive on PET film 36 µm.

* Average values; adhesive diluted at 60% in toluene; direct coating on PET film 36 µm.





SIS HOT MELT ADHESIVES

	R.B.T.+ (cm)	Peel+ (N/cm)	R&B (°C)	SAFT+ (°C)	Viscosity at 150°C (mPa.s)	Viscosity at 180°C (mPa.s)	Properties
TACKMELT R002	6	0.75	112	98	150,000	30,000	Easy removable
TACKMELT R004	6	2.8	108	100	70,000	15,000	Removable
TACKMELT A40	4	5.6	70	82	25,000	11,000	Resistant to low T.
TACKMELT A43 A	3	8.0	77	75	14,500	5,000	Good cohesion
TACKMELT A8	2	8.9	88	84	10,500	3,500	Good cohesion
TACKMELT A9	3	9.3	108	100	30,000	8,000	Resistant to plasticizers
TACKMELT A49	10	10	110	110	50,000	10,000	Balanced properties
TACKMELT HM15 B	15	11	120	105	70,000	25,000	High thermal resistance
TACKMELT HM10 A	3	12	106	101	40,000	11,000	High tack, high peel
TACKMELT HM15 A	15	13	115	100	65,000	23,000	Very high peel



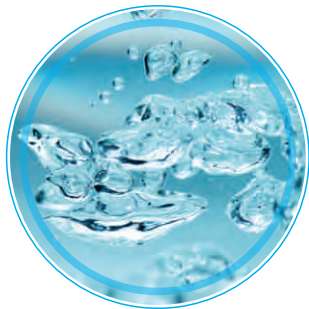
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Labels are part of our daily lives and a world without them would be difficult to imagine. Ichemco provides the perfect pressure-sensitive adhesive for every type of label, from the ultra-removable to the super-permanent, and for any kind of substrate whether it's paper, poly-olefines, or a non-woven surface.



ACRYLIC DISPERSIONS

	TS (%)	R.B.T.* (cm)	Peel* (N/cm)	Shear* (h)	Solvent	Properties
TACKWHITE AMC 20	40	7	0.12	n.a.	water	Ultra-removable
TACKWHITE AMC 21	45	20	0.19	n.a.	water	For PP and PE tapes
TACKWHITE AMC3 D	41	15	0.80	n.a.	water	Ultra-removable, repositionable
TACKWHITE AMC4 D	47	15	2.0	n.a.	water	Ultra-removable
TACKWHITE NA1	45	6	1.4	>200	water	Removable
TACKWHITE AP60	59	10	1.6	>100	water	Low peel for smooth surfaces
TACKWHITE AP15 M	45	12	3.0	> 50	water	Removable water-resistant
TACKWHITE A22 RP	51	12	3.2	>100	water	Resistant to plasticizers & water
TACKWHITE A62 SF	51	4	4.0	> 2	water	Permanent, for direct coating
TACKWHITE A76 D	50	7	5.0	> 50	water	Balanced properties
TACKWHITE A2P 60	55	2	5.6	1	water	Double sided adhesives
TACKWHITE A2P 50	49	4	7.3	> 1	water	Demanding surfaces



SBR DISPERSIONS

	TS (%)	R.B.T.* (cm)	Peel* (N/cm)	Shear* (h)	Solvent	Properties
TACKWHITE AT4 M1	50	2	1.2	>100	water	Application tapes
TACKWHITE MT3 E	50	5	2.8	> 20	water toluene	Asphaltic bitumen paper, foams
TACKWHITE MT3 EM	52	5	2.8	> 30	water toluene	Asphaltic bitumen paper, foams
TACKWHITE SB6 SL	47	6	4.0	> 10	water	Double sided tapes, high tack, good cohesion



* Average values; 22±2 g/m² of dry adhesive on PET film 36 µm.

* On BOPP film 23 µm corona treated 42 dyne/cm, coated with release 0.04 g/m² with Mayer bar rod 2 TESA test tape 7475, test speed 3m/min.

* Average values, 3 g/m² of dry release on masking paper; peel adhesion test with TESA 4330.



PRIMERS

Properties

CELLOPRIMER W	Water-based primer for cellophane films
PRIMER EPA-W	Water-based primer for treated and untreated PP for rubber adhesives
PRIMER EPA-W5	Primer for treated PP and PE, improved anchorage of acrylic adhesives and inks
PRIMER EPA-W8	Primer for treated PP, PET and PVC; improves anchorage of inks
VINILPRIMER E5 B	Water-based primer for rigid and plasticized PVC



CURING AGENTS

Properties

CURING AGENT X7 / PZ-28	Polyaziridines for both water and solvent systems, suitable for room temperature curing, 100%TS
CURING AGENT AQ40	Blocked polysocyanate crosslinker in water solution, 40% TS. Low unblocking temperature
CURING AGENT W3	Water dispersible isocyanate for waterborne adhesives



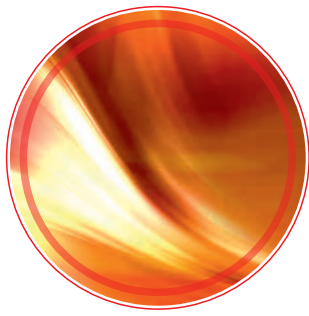
WATERBORNE RELEASE AGENTS

TS Release Power+ Properties

	TS (%)	Release Power (N/cm)	Properties
RELEASE PP 25W	25	2.5	Not suitable for acrylics, requires corona treatment
RELEASE RCW 25 A	20	3.5	General purpose, does not require corona treatment
RELEASE PP 55W	22	4.0	General purpose, requires corona treatment
RELEASE W45 HA8	45	2.1°	Acrylic hydro-repellent for masking paper
RELEASE W45 HS4	45	1.8°	For waterborne and solventborne adhesives
RELEASE W40 GP1	40	n.a.	Writable and printable release agent for paper, for microsphere adhesives

PRODUCTS FOR SPECIAL TAPES

Double sided, re-pulpable, strapping, transfer, textile, electrical, duct, foam, and handle tapes are only a few of the possible applications of our broad range of products for special PSA tapes.



ACRYLIC SOLVENTBORNE ADHESIVES

	TS (%)	Loop Tack* (N/cm)	Peel* (N/cm)	Shear* (h)	Viscosity (mPa.s)	Solvent	Properties
SOLACRIL SPR 12 M2	8	n.a.	n.a.	n.a.	100-500	isohexane/acetone	Adhesive spray
SOLACRIL WS 60	51	2.4	3.2	n.a.	600-1,000	water/acetone/ethanol	Re-pulpable, soluble in water
SOLACRIL WS 40	51	2.4	4.0	n.a.	15,000-30,000	water/acetone/ethanol	Re-pulpable, soluble in water
SOLACRIL 758	50	3.2	6.9	200	2,000-4,000	ethyl acetate/cyclohexane	For polyolefins
SOLACRIL 701	43	3.2	8.9	20	2,000-5,000	ethyl acetate	For polyolefins



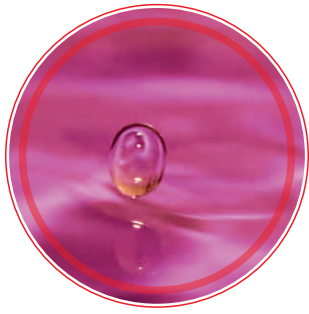
NATURAL RUBBER SOLVENTBORNE ADHESIVES

	TS (%)	R.B.T.* (cm)	Peel* (N/cm)	Shear* (h)	Viscosity (mPa.s)	Solvent	Properties
TACKSOL SM 3	32	8	6.0	>100	15,000-30,000	hexane	High cohesion
TACKSOL KR 30	31	6	8.0	> 12	8,000-18,000	hexane toluene	High peel
TACKSOL NIS 12	35	2	8.0	> 10	4,000-10,000	toluene	Excellent peel at low T
TACKSOLA48 M3	52	>15	8.2	>100	2,000-5,000	toluene	High peel, excellent ageing
TACKSOL IS56 M2	58	8	9.7	>200	5,000-15,000	toluene IPA	High peel and cohesion
TACKSOLA48 M2	55	15	10	>100	4,000-8,000	toluene	High peel, excellent heat resistance
TACKSOL 45 TR	43	15	10	> 15	80,000-200,000	hexane	Fabrics and porous surfaces
TACKSOL 45 TRM	42	40	10	> 15	80,000-200,000	hexane	Fabrics and porous surfaces, high tack

*Average values; 22±2 g/m² of dry adhesive on PET film 36 µm.

*On BOPP film 23 µm corona treated 42 dyne/cm, coated with release 0.04 g/m² with Mayer bar rod 2 TESA test tape 7475, test speed 3m/min.





PRIMERS

Properties

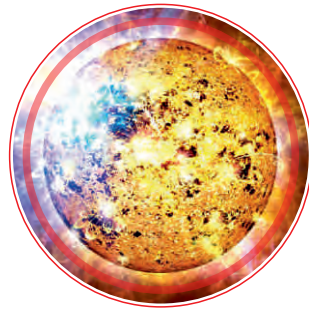
PRIMER PP10	For polyolefins, improves anchorage of rubber-based adhesives
PRIMER SIL 30	Primer for PET for silicone adhesives. 30% solvent solution. Requires a set of curing agents
PRIMER EPX 2 DRY	Primer for printing on all types of PP tapes without corona treatment
PRIMER UNISOL 11	Solventborne for PVC, PP, PE, and PET films. To be cured with CURING AGENT D



CURING AGENTS

Properties

CURING AGENT D	Isocyanate crosslinker for primer in toluene for solventborne adhesive and primers, 65% TS
CURING AGENT MDI	Isocyanate (MDI) crosslinker, 100% TS
CURING AGENT CH	Polisocyanate crosslinker for adhesives and primers, 100% TS
CURING AGENT X7/PZ-28	Polyaziridines for both water and solvent systems, suitable for room temperature curing, 100% TS



UV ABSORBERS

Properties

UVISTOP TRM1	Synergistic anti-UV system for TR (SIS, SBS, NR, SBR, etc.)
ANTIOX UV-ST	Antioxidant and UV protector synergistic system



RELEASE AGENTS 100% SOLIDS

	Melting Point (°C)	Release Power ⁺ (N/cm)	Properties
RELEASE K100 D	90	0.50	For PP, PE, PVC, PET
RELEASE K100 H	97	0.55	Higher melting point
RELEASE K100 ES	90	0.65	Low noise with appropriate PSA
RELEASE K100 E	90	0.60	Co-extrusion grade for PP and PE
RELEASE FR 100	n.a.	n.a.	For PE freezer tapes. Also diluted

PRODUCTS FOR SPECIAL TAPES

Double sided, re-pulpable, strapping, transfer, textile, electrical, duct, foam, and handle tapes are only a few of the possible applications of our broad range of products for special PSA tapes.



LATICES/PRIMERS

Properties

SL 55	Styrene-Butadiene latex in anionic water emulsion for the saturation of masking tapes. Improved water resistance, increased tensile strength
PRIMER MT2	Improves anchorage of the adhesive on saturated paper



RELEASE AGENT SERIES FOR MASKING TAPES

Release W are a complete series of water emulsions, available with different viscosities, release powers and concentrations. They have been designed to be coated on impregnated Kraft paper for masking tapes.

Indoor	TS Release Power*		Outdoor water repellent	TS Release Power*	
	(%)	(N/cm)		(%)	(N/cm)
RELEASE W45 GB5	45	1.4	RELEASE W45 HS4	45	1.8
RELEASE W45 GS15	45	1.7	RELEASE W45 HA8	45	2.1
RELEASE W43 GB2	43	1.8			
RELEASE W45 GB15	45	2.0			
RELEASE W45 GB1	45	2.0			
RELEASE W45 GB2	45	2.2			
RELEASE W45 GB4	45	2.2			
RELEASE W40 GB3	40	2.4			



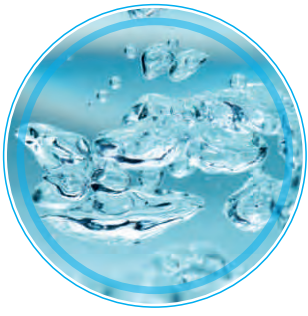
ACRYLIC DISPERSIONS

	TS (%)	R.B.T.+ (cm)	Peel+ (N/cm)	Shear+ (h)	Solvent	Properties
TACKWHITE A81	50	6	0.34	>200	water	For wash paper
TACKWHITE MTA 42M	52	2	3.0	> 50	water	High tack
TACKWHITE A84	57	10	4.0	>200	water	For blue paper, UV resistant



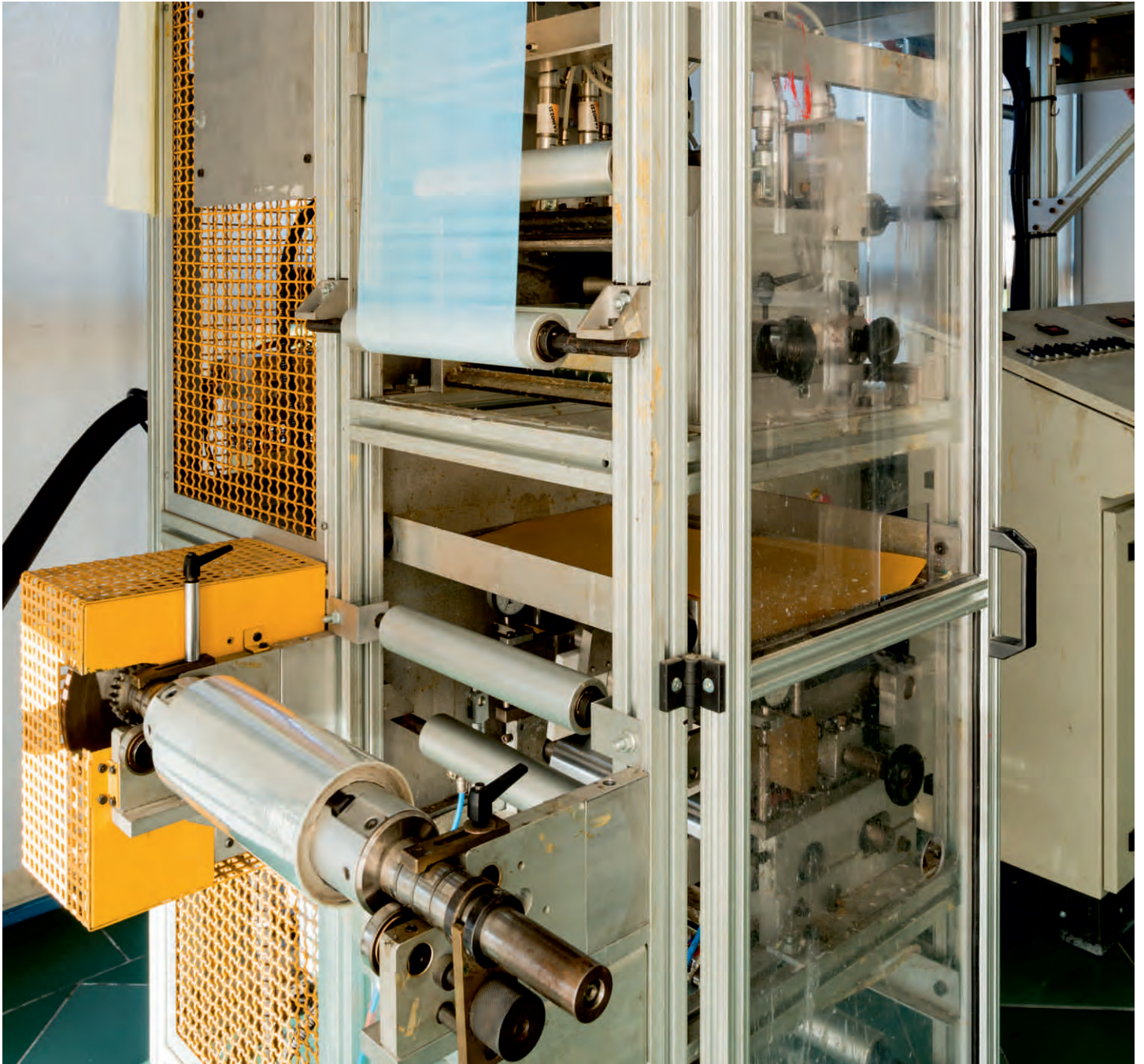
*Average values; 3 g/m² of dry release on masking paper; peel adhesion test with TESA 4330.

*Average values; 22±2 g/m² of dry adhesive on PET film 36 µm.



SBR DISPERSIONS

	TS (%)	R.B.T. ⁺ (cm)	Peel ⁺ (N/cm)	Shear ⁺ (h)	Solvent	Properties
TACKWHITE MT3 EM	52	5	2.8	>30	water toluene	Low peel
TACKWHITE MT30 P	53	7	4.0	>50	water toluene	High peel



PRODUCTS FOR MASKING TAPES

From raw paper to a finished masking tape, Ichemco can guide you through the complete production process that involves saturating agents, primers, release systems, antioxidants, color concentrates and pressure sensitive adhesives.



NATURAL RUBBER SOLVENTBORNE ADHESIVES

	TS (%)	R.B.T.* (cm)	Peel* (N/cm)	Shear* (h)	Viscosity (mPa.s)	Solvent	Properties
TACKSOL TT5	32	3	2.8	>50	15,000-25,000	hexane	Natural rubber adhesive



ANTIOXIDANTS

Properties

ANTIOX AHM / AHM FF2 D	Special synergistic system for adhesives in SIS and SBS thermoplastic rubber (hot melt) and NR (solvent). FF2: free flowing version
ANTIOX AHM Pellets	Same as AHM in properties, with better flowing behavior for continuous feeding, dust free
ANTIOX AHM / B6682	Synergistic systems suitable for natural and synthetic rubber adhesives in solvent solution
ANTIOX ASX3 DF	Same as ASX, no dusting



COLOR MASTERBATCHES

Properties

COLORPASTE S (Series)	Brown, white or colored pigment pastes for solvent-based adhesive masses
COLORTAPE HM (Series)	Masterbatches with more than 80% pigment
COLORPASTE W (Series)	Color concentrates for water borne pressure sensitive adhesives

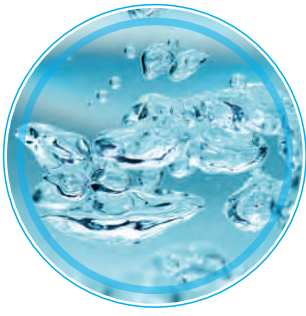


*Average values; 22±2 g/m² of dry adhesive on PET film 36 µm.



PRODUCTS FOR MASKING TAPES

From raw paper to a finished masking tape, Ichemco can guide you through the complete production process that involves saturating agents, primers, release systems, antioxidants, color concentrates and pressure sensitive adhesives.



SBR DISPERSIONS

	TS (%)	R.B.T.* (cm)	Peel* (N/cm)	Shear* (h)	Solvent	Properties
TACKWHITE A205 SL	52	3	4.0	>50	water	High tack
TACKWHITE SB6 SL	47	6	4.0	>10	water	High tack, good cohesion
TACKWHITE A205 M1	56	6	4.8	> 5	water toluene	PU/PE foams, synthetic leather
TACKWHITE A205 LS	54	6	5.2	> 5	water toluene	Low toluene content
TACKWHITE SB4 B2	49	6	6.0	> 2	water	PU/PE foams, synthetic leather
TACKWHITE FR6	57	20	6.9	> 1	water toluene	Fabrics, leather, synthetic leather, with FR additives
TACKWHITE SB4	58	15	6.9	> 3	water toluene	Fabrics, leather, synthetic leather
TACKWHITE SB4 B	50	6	6.9	> 3	water	PU/PE/PA foams
TACKWHITE SB4 E	54	15	6.9	> 1	water toluene	Fabrics, leather, synthetic leather
TACKWHITE SB5 M1	54	16	6.9	>15	water toluene	PU foams, leather, synthetic leather
TACKWHITE SB4 SL2	51	7	7.7	4	water	For demanding surfaces
TACKWHITE SB4 SL5	50	15	8.9	> 3	water	For demanding surfaces

*Average values; 22±2 g/m² of dry adhesive on PET film 36 µm.



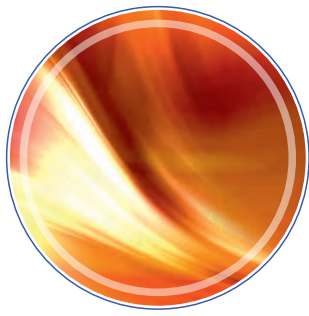


HEAT SEALABLE ADHESIVES

	TS (%)	Heat Sealability	Nature	Properties	Applications
BLENDIX SEAL C6	55	90°C	PVA/maleate	Soft hand, good water resistance, light residual tack	Paper, plastics, fabrics
BLENDIX SEAL DH8	45	70°C	acrylic	Very soft hand, no residual tack	Fabrics, non woven, leather, synthetic leather, foams
BLENDIX SEAL DH8 M	48	80°C	modified acrylic	Soft hand, no residual tack	Fabrics, non woven, leather, synthetic leather, foams
BLENDIX SEAL DH70	35	80°C	AC/PE	Soft hand, no residual tack	Fabrics, non woven, leather, synthetic leather, foams
BLENDIX SEAL DH76	36	70°C	AC/PE	Soft hand, no residual tack	Fabrics, non woven, leather, synthetic leather, foams



Knowing how and doing it well, this has always been and still is Ichemco's mission. Through our long history we acquired a great deal of experience in industrial areas like automotive, construction, white goods, textile, leather and many more. Our pressure sensitive adhesives are designed and fine-tuned for your coating technology. If you cannot find the product you are looking for, just give us a chance of developing it for you.



ACRYLIC SOLVENTBORNE ADHESIVES

	TS (%)	Loop Tack* (N/cm)	Peel* (N/cm)	Shear* (h)	Viscosity (mPa.s)	Solvent	Properties
SOLACRIL 44	50	>2.4	4.6	6	4,000-7,000	ethyl acetate	For foams and non-woven
SOLACRIL 758	50	3.2	6.9	200	2,000-4,000	ethyl acetate/ cyclohexane	High peel



SIS HOT MELT ADHESIVES

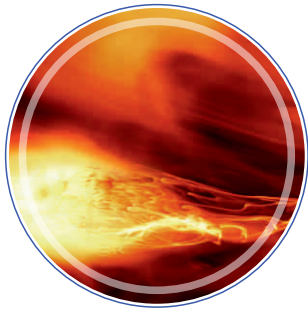
	R.B.T.+ (cm)	Peel+ (N/cm)	R&B (°C)	SAFT+ (°C)	Viscosity at 150°C (mPa.s)	Viscosity at 180°C (mPa.s)	Properties
TACKMELT R002	6	0.75	112	98	150,000	30,000	Easy removable
TACKMELT R004	6	2.8	108	100	70,000	15,000	Removable
TACKMELT A40	4	5.6	70	82	25,000	11,000	Resistant to low T
TACKMELT A43 A	3	8.0	77	75	14,500	5,000	Good cohesion
TACKMELT A8	2	8.9	88	84	10,500	3,500	Good cohesion
TACKMELT A9	3	9.3	108	100	30,000	8,000	Resistant to plasticizers
TACKMELT A49	10	10	110	110	50,000	10,000	Balanced properties
TACKMELT A48 M2	16	10	118	110	190,000	38,000	Resistant to high T
TACKMELT A46 M	2	10	86	76	30,000	14,000	For foamed PSA's
TACKMELT HM15B	15	11	120	105	70,000	25,000	For foams and panels
TACKMELT HM10 A	3	12	106	101	40,000	11,000	High tack, high peel
TACKMELT HM15 A	15	13	115	100	65,000	23,000	Very high peel

* Average values; 22±2 g/m² of dry adhesive on PET film 36 µm.

* Average values; adhesive diluted at 60% in toluene; 22±2 g/m² of dry adhesive on PET film 36 µm.

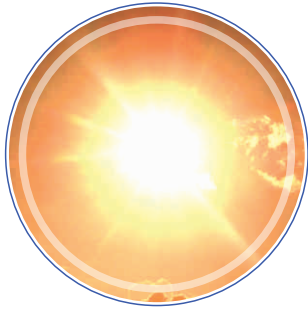
* Average values; adhesive diluted at 60% in toluene; direct coating on PET film 36 µm.





HEAT SEALABLE ADHESIVES

	TS (%)	Viscosity (mPa.s)	Heat Sealability	Nature	Solvent	Properties	Applications
BLENDEX S12/20	20	7,500-12,500	70°C	polyurethane	MEK	Flexible, dry hand, water resistant	Leather, plastics, fabric, paper
BLENDEX S24/20	21	9,000-13,000	70°C	polyurethane	MEK	Flexible, dry hand, water resistant	Leather, plastics, fabric, paper
BLENDEX S79	30	4,500-10,500	70°C	polyurethane	ethyl acetate	Dry hand	Leather, plastics



ACRYLIC UV CURABLE ADHESIVES

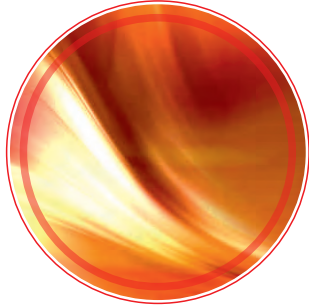
	Radiation (mJ/cm ²)	Loop Tack# (N/cm)	Peel# (N/cm)	Shear# (h)	SAFT# (°C)	Properties
UVACRIL R2 (60 g/m ²)	20	2.8	0.90	>100	>185	Removable if well cured; deep freeze applications for low cured
	40	2.4	0.60	>100	>185	
	60	1.4	0.48	>100	>185	
UVACRIL M26 (40 g/m ²)	20	7.3	8.4	> 24	140	Semi-removable
	40	6.0	5.6	> 24	>185	
	60	5.6	5.6	> 24	>185	
UVACRIL P3 (40 g/m ²)	20	7.3	5.6	>100	130	Permanent
	40	6.5	4.8	>100	185	
	60	5.6	4.8	>100	185	
UVACRIL M25 (40 g/m ²)	20	9.2	8.4	> 24	130	Super-permanent, very high peel
	40	8.0	6.5	> 24	>185	
	60	6.5	6.9	> 24	>185	

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ACRYLIC DISPERSIONS

	TS (%)	R.B.T.* (cm)	Peel* (N/cm)	Shear* (h)	Solvent	Properties
TACKWHITE A4 MED	56	4	4.8	7	water	Hypoallergenic for skin contact



ACRYLIC SOLVENTBORNE ADHESIVES

	TS (%)	Loop Tack* (N/cm)	Peel* (N/cm)	Shear* (h)	Viscosity (mPa.s)	Solvent	Properties
SOLACRIL 44	50	2.4	4.8	6	4,000-7,000	ethyl acetate	For PU, PP, PE, PET, Non Wovens
SOLACRIL 957 MED	46	7.3	6.0	100	1,800-3,000	ethyl acetate	Self-crosslinking, high tack



SIS HOT MELT ADHESIVES

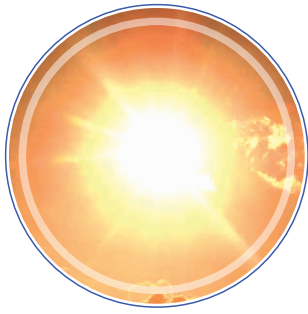
	R.B.T. (cm)	Peel+ (N/cm)	R&B+ (°C)	SAFT+ (°C)	Viscosity at 150°C (mPa.s)	Viscosity at 180°C (mPa.s)	Properties
TACKMELT A43 MED	3	7.7	75	70	8,500	2,500	High tack

* Average values; 22±2 g/m² of dry adhesive on PET film 36 µm.

* Average values; adhesive diluted at 60% in toluene; 22±2 g/m² of dry adhesive on PET film 36 µm.

* Average values; adhesive diluted at 60% in toluene; direct coating on PET film 36 µm.





ACRYLIC UV CURABLE ADHESIVES

	Radiation (mJ/cm ²)	Loop Tack [#] (N/cm)	Peel [#] (N/cm)	Shear [#] (h)	SAFT [#] (°C)	Properties
UVACRIL R2 (60 g/m ²)	20	2.8	0.90	>100	>185	Removable if well cured; deep freeze applications for low cured
	40	2.4	0.60	>100	>185	
	60	1.4	0.48	>100	>185	
UVACRIL M26 (40 g/m ²)	20	7.3	8.4	> 24	140	Semi-removable
	40	6.0	5.6	> 24	>185	
	60	5.6	5.6	> 24	>185	
UVACRIL P3 (40 g/m ²)	20	7.3	5.6	>100	130	Permanent
	40	6.5	4.8	>100	185	
	60	5.6	4.8	>100	185	
UVACRIL M25 (40 g/m ²)	20	9.2	8.4	> 24	130	Super-permanent, very high peel
	40	8.0	6.5	> 24	>185	
	60	6.5	6.9	> 24	>185	



Human skin can be a very difficult substrate to cope with. Medical products have to meet a long list of important requirements. Compliance with skin contact regulations is a must, and a clean and safe removal without any residues is equally relevant. Just choose the technology, and Ichemco will provide you with waterborne, hot-melt, solventborne products, or even with new acrylic hot-melt UV-curable systems.

A world map with various regions highlighted in different colors. The highlighted regions include France (blue), Spain and Portugal (green), UK and Ireland (cyan), Bosnia Herzegovina, Serbia, and Macedonia (pink), Greece (purple), Turkey (brown), China (orange), South Korea (red), Taiwan (grey), Argentina (light blue), Brazil (light green), Russia (yellow), and Australia and New Zealand (grey).**FRANCE****A.C.A. s.a.r.l.***Mr. Didier Allibert*

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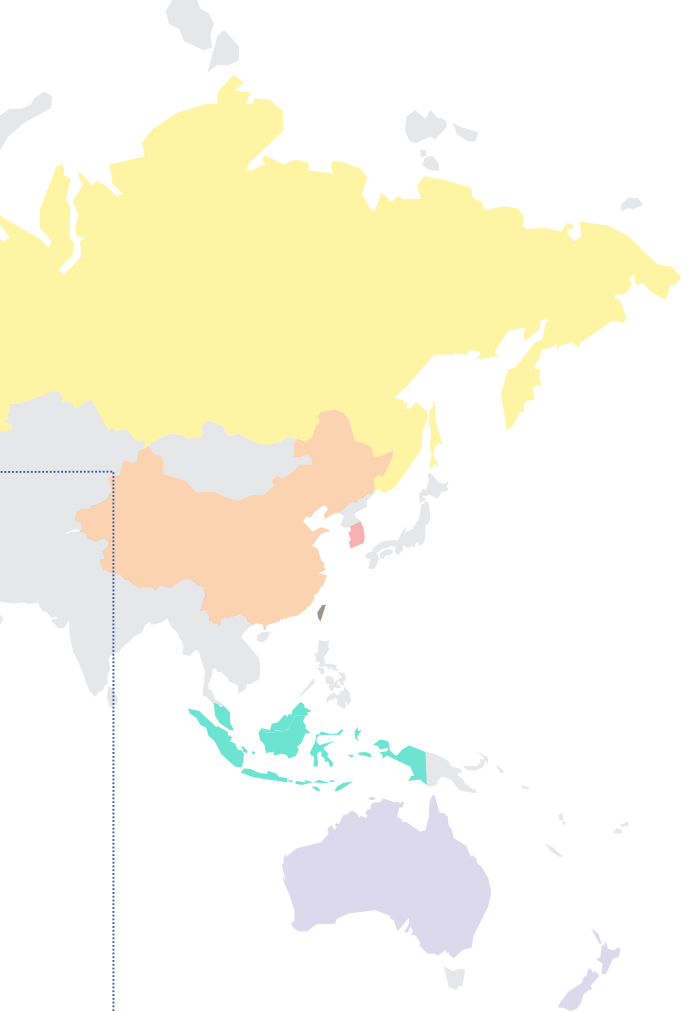
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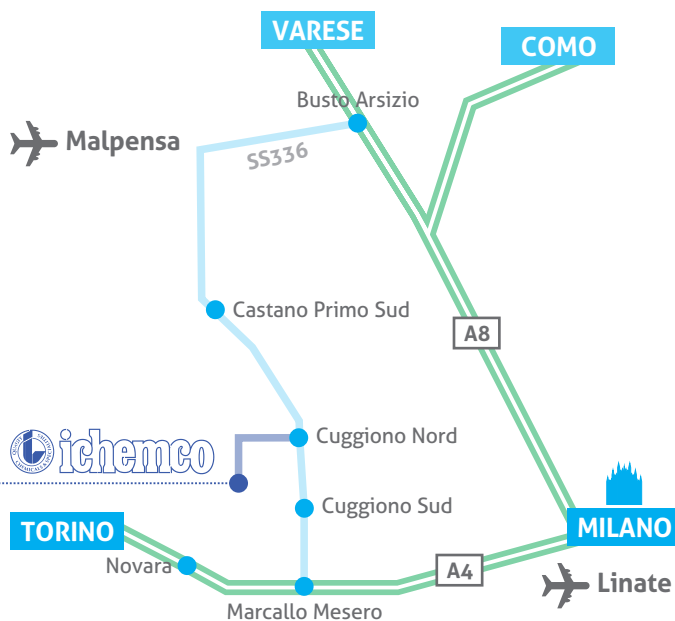
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