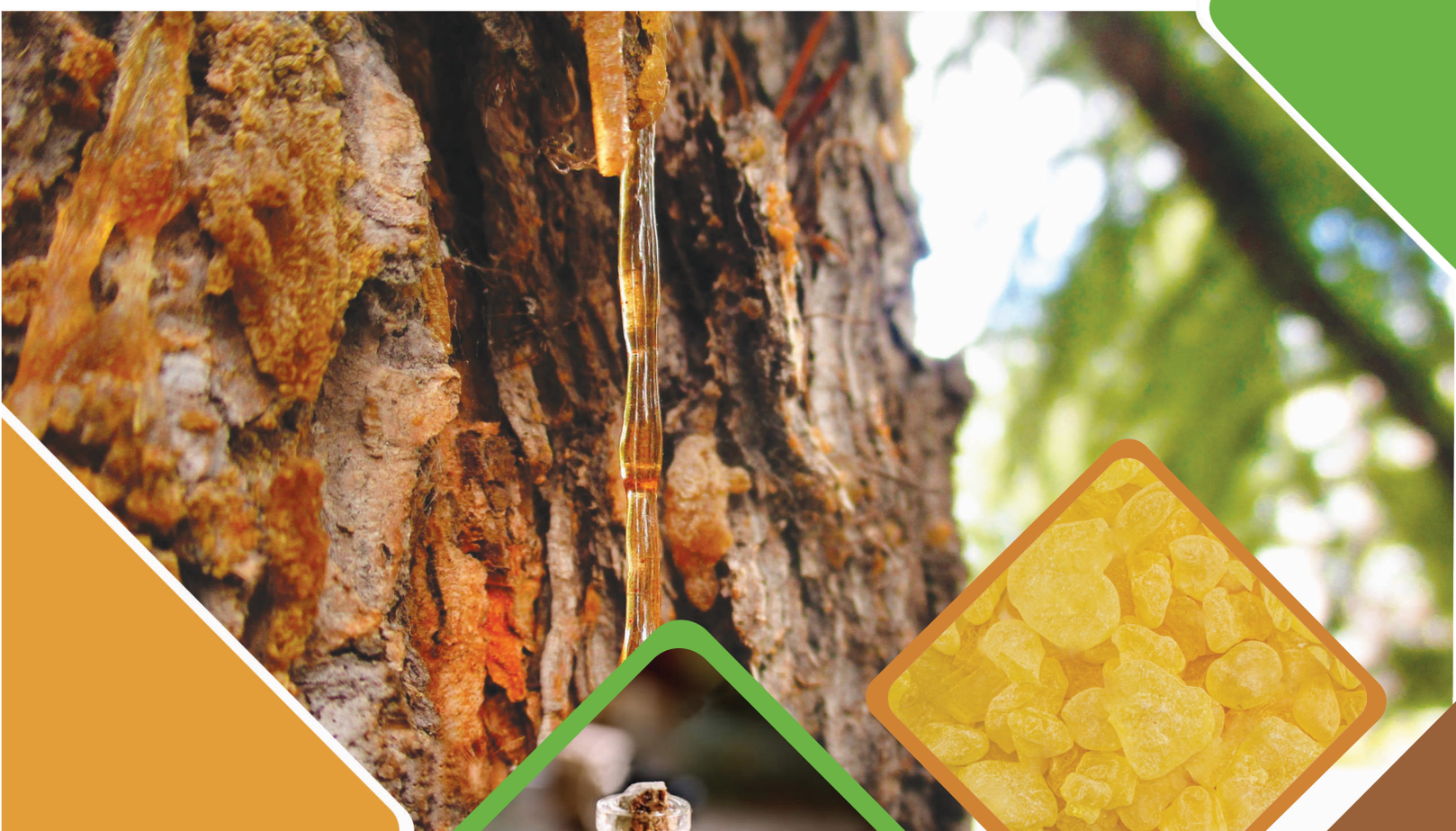
GCC PROTEK®

Global Chemicals & Coating

GrupoRB



Gum Rosin, Turpentine & Derivatives

GRUPO RB

The Resinas Brasil Group, more than 110 years of tradition in the production and commercialization of resinous products, is recognized worldwide for its leadership in the natural resin market.

RB Group has 11 industrial units a high-performance technological structure and count on approximately 3000 employees divided between the manufacturing and forestry units.

RB Group has approximately 16,000 hectares of its own pine farms, leased from a universe that reaches 100 million pine trees.

We also have a Forestry Nursery, with a production capacity of more than 10 million seedlings per year.

Our businesses are strattegically distributed in the states of São Paulo, Minas Gerais, Paranã, Santa Catarina, Rio Grande do Sul and Espirito Santo in Brazil, two manufacturing units in Spain and a corporate Office in Portugal.

With a processing capacity of more than 100 thousand tons of resin per year, we have consolidated ourselves as the largest Brazilian exporter of natural resins, colophony and its derivatives.

RB Group has a wide range of products such as Gum Rosin, Rosin Esters, Turpentine, and derivative products production.

We are business group in the Forestry and Industrial segment having it's greatest value on the dedicatio and trust of its employees, providing us with a consolidated reputation and a worlwide recognized prestige.

GRUPO RB

RESINAS BRASIL GROUP, 110 yılı aşkın tecrübesiyle Doğal Reçine pazarında üretim kapasitesi ve pazar payı ile dünya lideridir.

Toplam 11 üretim tesisine sahip grubun 3000 çalışanı bulunmaktadır.

RB GROUP'un yaklaşık 16.000 hektarlık kendi endüstriyel çam ormanları yanı sıra kiralanan alanlarda 100 milyon ağaçlık kapasitesi mevcuttur.

Her yıl 10 milyondan fazla yeni fidan geliştirmekte ve ekmektedir.

Brezilya'da Sao Paulo, Minas Gerais, Parana, Santa Catarina, Rio Grande do Sul ve Espirito Santo eyaletlerinde 9 üretim tesisi, İspanya'da 2 üretim tesisi, Portekiz'de bir kurumsal ofisi bulunmaktadır.

Yıllık 100 bin tondan fazla reçine işleme kapasitesine sahip RB GROUP, Doğal Reçine ve türev ürünlerinde Brezilya'nın en büyük ihracatçısı konumundadır.

RB GROUP, Gum Rosin, Reçine Esterleri, Terebentin ve türev ürünleri ile geniş bir ürün yelpazesine sahiptir.

Ormancılık ve Endüstri sektöründe faaliyet gösteren RB GROUP'un en büyük değeri çalışanların özverisi ve güveni olup, bu özveri ve güven ile uluslararası itibar ve prestije sahiptir.

GCC PROTEK

GCC PROTEK is an internationally-active company, established in 2009, representing RB GROUP and providing Colofonium Gum Rosins, Rosin Esters, Gum Turpentine and related raw material products to Turkiye and near countries.

GCC PROTEK business traverses a broad range of industries including Rubber, Dye, Ink, Cosmetics, Adhesive, Waxes, Agrichemicals, Food and Paper Industries with it's product portfolio.

For about 15 years in business, GCC PROTEK is proud to remain a p rivately owned Company, with sufficient resources to undertake complex, large scale transactions, and the flexibility afforded by a responsive management structure.

The Company's management and sales ranks are drawn from a diversity of professions including chemistry, marketing, finance, logistic and international trade law.

GCC PROTEK is headquartered in Istanbul, Turkiye, giving service with warehouses located in Istanbul Hadimkoy, Istanbul Tuzla, Kocaeli Sekerpinar, Izmit Derince, Mersin and Izmir.

Today GCC PROTEK actively trades with more than 20 countries throughout the World.

GCC PROTEK

2009 yılında kurulan ve uluslararası ticaretin içinde aktif yer alan GCC PROTEK, RB GROUP'un Türkiye ve yakın ülkeler temsilciğini yapmakta, bu bölgelere Kolofon Reçine, Rosin Ester, Gum Terebentin ve türev ürünlerini sağlamaktadır.

Firmanın temin etmiş olduğu ürünler; Kauçuk, Boya, Mürekkep, Kozmetik, Yapıştırıcı, Wax, Zirai Kimyasallar, Gıda ve Kağıt endüstrileri dahil olmak üzere bir çok endüstriye hitap etmektedir.

Yaklaşık 15 yıldır sektörde faaliyet gösteren GCC PROTEK, müşterilerinin bu alandaki ihtiyaçlarını karşılayabilmek için yeterli kaynaklara ve duyarlı bir yönetim yapısına sahip özel bir şirket olmanın gururunu taşımaktadır.

Şirketin yönetim ve satış kademeleri her biri kendi alanında uzman, kimya, pazarlama, finans, lojistik, uluslararası ticaret ve hukuk dahil olmak üzere çeşitli mesleklerden oluşmaktadır.

Merkezi İstanbul'da bulunan şirket, İstanbul Hadımköy, İstanbul Tuzla, Kocaeli Şekerpınar, İzmit Derince, Mersin ve İzmir'de bulunan depoları ile sektöre ürün ve hizmet sağlamaktadır.

Bugün GCC PROTEK dünya genelinde 20'den fazla ülke ile aktif ticaretine devam etmektedir.

BUSINESS UNITS

SOCER RB - *SALTO / SP - BRAZIL*

Production: Colophony - based resins, Turpentine-based Pine Oils, Alpha and Beta Pinene.

Key Markets: Adhesives, Road Marking, Paints, Varnishes, Sealers, Gum Base for Chewing Gums, Depilatory Waxes in General, Fragrances, Scents and Pneumatics

SOCER RB - *MANDURI / SP - BRAZIL*

Production: Gum Rosin and Turpentine

Key Markets: Adhesives, Paints, Varnishes, Waxes, Fragrances and Scents

SWEET GUM - *ITAPETININGA / SP - BRAZIL*

Production: Base for Chewing Gum

Key Markets: Chewing Gum in General, Confectionery Gum, Pharmacists, Nutraceuticals and Functionals

ITACOL - *ITAPETININGA / SP - BRAZIL*

Production: Gum Rosın and Turpentine

Key Markets: Adhesives, Paints, Varnishes, Waxes, Fragrances and Scents

SOCER RB - *ITAPETININGA / SP - BRAZIL*

Production: Hydrogenated Rosin and others

Key Markets: Adhesives, Paints, Varnishes, Waxes, Additives and Rubbers, Gum Base for Chewing gum.

SOCER RB *- SENGES / PR - BRAZIL*

Production: Gum Rosın and Turpentine

Key Markets: Adhesives, Paints, Varnishes,Waxes, Fragrances and Scents

SOCER RB *- RIO GRANDE / RS - BRAZIL*

Production: Gum Rosın and Turpentine

Key Markets: Adhesives , Paints, Varnishes, Waxes, Fragrances and Scents

RESINAS TROPICAIS - *- UBERLÂNDIA / MG - BRAZIL*

Production: Tropical Gum Rosın and Tropical Turpentine

Key Markets: Adhesives , Paints, Varnishes, Waxes, Fragrances and Scents

LURESA RESINAS - *- SL-COCA / SPAIN*

Production: Rosin, Turpentine and Colophony - based resins

Key Markets: Adhesives, Paints, Varnishes, Waxes, Fragrances, Scents and others

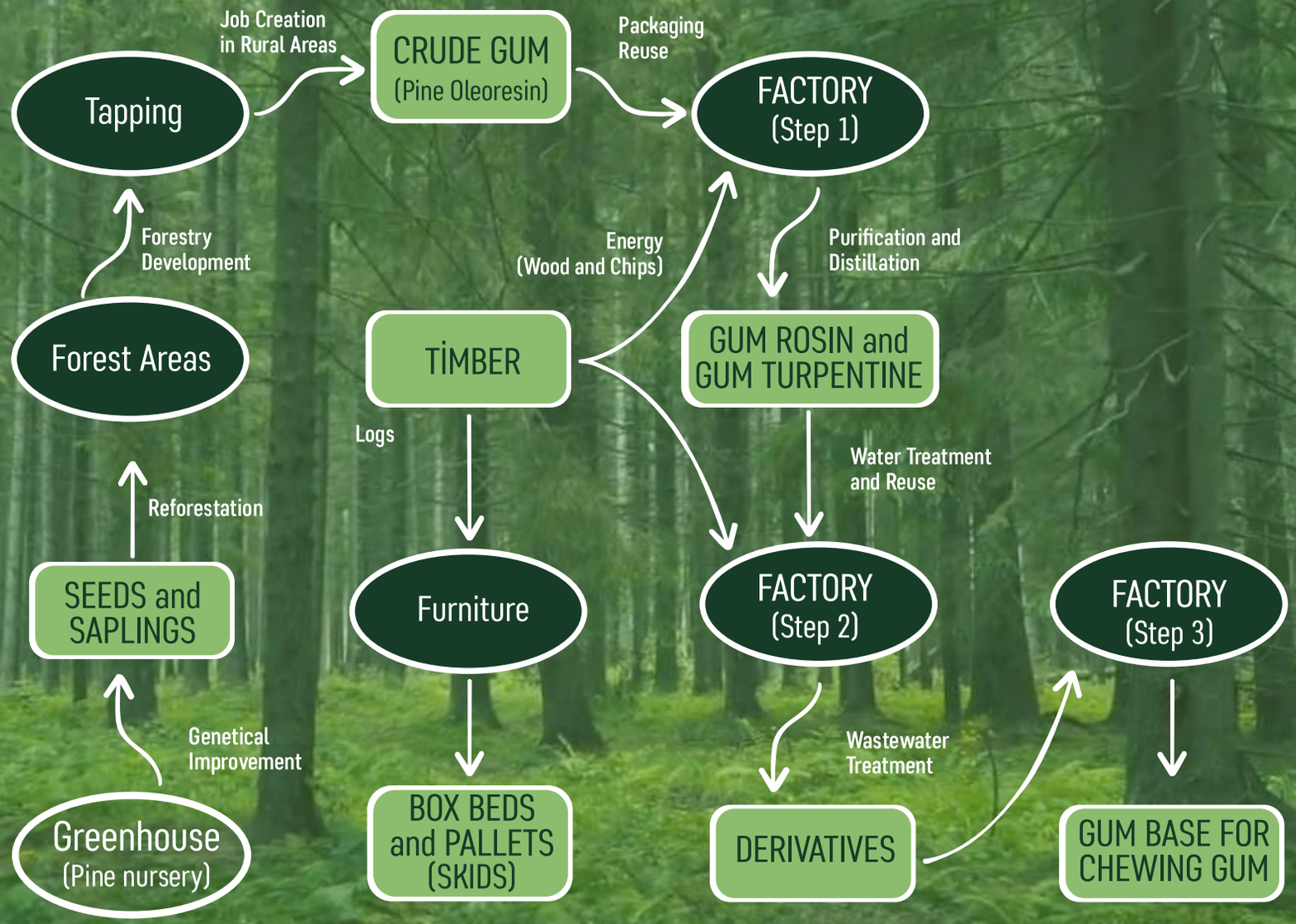
CAFOSA - *- SL-COCA / SPAIN*

Production: Base for Chewing Gum

Key Markets: Chewing Gum in General, Confectionery Gum, Pharmacists, Nutraceuticals and Functionals

PRODUCTION CHAIN

VERTICAL INTEGRATION & SUSTAINABILITY



RB

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TECHNICAL DATA

TYPICAL PROPERTIES

ROSIN RESINS	Product Code	SP (°C)	ACID NUMBER (mgKOH/g)	COLOR (GARDNER)	VISCOSITY (cP)	Road Marking	Printing Inks	Varnish and Sealants (Nitrocellulose)	Paints (Industrial)	Book Binding	PSA	Adhesive Paper and Tape	General Adhesives	Protective Coatings or Lacquers	Gum Base for Chewing Gum	Hair Removal Wax	Shoe/Floor Polishes	Rubber	Fruit Coating	Depilating Wax	Cement and Mortars
GUM ROSINS	COL 1440	68-78	158-168	7 max	-				■				■					■		■	
	COL 240	68-78	158-168	7 max	-				■				■					■		■	
	COL 90	68-82	158-180	9 max	-				■				■					■		■	
	COL 15	76-90	158-180	9 max	-			■	■									■			
GLYCEROL ESTERS	RESIDHERE ES 85 SD	75 - 85	10 max	5 max	-						■	■	■					■		■	
	RESIDHERE ES 90 SD	80 - 95	10 max	5 max	-					■	■		■			■				■	
	RESIDHERE ES 90 S	80 - 100	9 max	5 max	-					■	■	■	■			■					
	RESIDHERE ES 95 S	85 - 95	15 max	5 max	-			■	■				■							■	
	RESIDHERE ES 95 R	90 - 105	20 - 30	3 - 4	-			■	■				■							■	
	RESIDHERE ES 100 S	90 - 105	15 max	5 max	-					■	■	■	■			■				■	
	RESIDHERE EG 85 F	82-88	3-9	5-6	-								■		■					■	
	RESIDHERE ES 101 H	98 - 102	15 max	5 max	-					■	■		■			■					
	RESIESTER GUM A 35	80 - 90	14 max	5 max	-			■	■				■	■						■	
	RESIESTER GUM 35 V	90 - 95	14 max	5 max	-			■	■				■	■						■	
	RESIDHERE EG 104 F	90 - 105	8 max	7 max	-								■		■						
	RESIESTER F110	135-145	115-140	10 max	-		■							■							
	RESIESTER C	155-165	195-210	10 max	-		■							■							
TRIETHYLENE GLYCOL ESTERS	RESIDHERE TE 25 H	Viscous Liquid	20 max	4 max	150-5500						■	■	■							■	
	RESIDHERE PT 25 H	Viscous Liquid	20 max	4 max	15000-40000						■	■	■								
	RESIESTER T	Viscous Liquid	20 max	6 max	370 ± 30								■							■	
	RESIESTER T 5	Viscous Liquid	30 max	8 max	8500 ± 1000								■								
	RESIESTER T 3	Viscous Liquid	20 max	7 max	100 ± 10								■							■	
ETHYLENE GLYCOL ESTER	RESIESTER MR	65-75	60-70	5 max	95±10								■							■	
PENTAERYTHRITOL ESTERS	RESIESTER 80	65-75	60-70	5 max	-								■							■	
	RESIDHERE EP 95 S	95 - 105	15 max	4 max	-						■		■								
	RESIDHERE EP 100 S	100 - 110	15 max	4 max	-						■		■								
	RESIDHERE EP 105 H	105 - 110	15 max	4 max	-						■		■								
	RESIDHERE EP 110 S	105 - 115	15 max	4 max	-						■		■								
	RRESIDHERE EP 110 s	105 - 115	15 max	4 max	-								■								
	RESIDHERE EP 120	110 - 120	100-120	4-5	-								■								
	RESIESTER N 35	94 - 100	14 max	6 max	-								■	■							
	RESIESTER N 35 S	96 - 102	14 max	5 max	-								■	■							
	RESIESTER N 35 V	105 - 112	14 max	5 max	-								■	■							
	RESISTER 810 V	115 - 120	14 max	5 max	-		■						■	■							
	RESISTER ND 35	122 - 130	14 max	9 max	-		■						■	■							
ROAD MARKING	RESIDHERE DV 75 S	70 - 80	30 max	6 max		■															
	RESIDHERE DV 95 S	90 - 105	20 max	6 max		■															
	RESIDHERE DV 100 S	105 - 110	25 max	7 max		■															
	RESIDHERE DV 115 SM	110 - 120	20 - 30	7 max		■															
	RESIDHERE DV 125 S	120 - 135	20 - 30	7 max		■															
	RESIDHERE DV 125 SM	118 - 128	30 - 45	7 max		■															
WATERBORNE DISPERSIONS		SOLIDS CONTENT %		pH	VISCOSITY																
	ACQUADHERE OT	52 min		6,5-9,5	50-200						■	■	■								

TECHNICAL DATA

TYPICAL PROPERTIES

ROSIN RESINS		SP (°C)	ACID NUMBER (mgKOH/g)	COLOR (GARDNER)	VISCOSITY (cP)	Road Marking	Printing Inks	Varnish and Sealants (Nitrocellulose)	Paints (Industrial)	Book Binding	PSA	Adhesive Paper and Tape	General Adhesives	Protective Coatings or Lacquers	Gum Base for Chewing Gum	Hair Removal Wax	Shoe/Floor Polishes	Rubber	Fruit Coating	Depilating Wax	Cement and Mortars
FUMARIC RESINS	RESIDHERE AF 140	140 - 155	160 - 180	8 max			■														
	RESIDHERE AF 145	140 - 155	130 - 150	8 max			■														
	RESIDHERE AF 150	145 - 160	185 - 205	8 max			■										■		■		
	RESIDHERE AF 155	145 - 160	180 - 200	8 max			■										■		■		
	RESIDHERE AF 160	145 - 165	180 - 200	8 max			■										■		■		
	RESIDHERE AF 165	150 - 170	150 - 175	10 max				■											■		
MALEIC RESINS	RESIDHERE AM 135	125 - 145	30 - 40	8 max				■	■												
	RESIDHERE AM 140	130 - 145	30 - 40	8 max				■	■												
	RESIDHERE AM 125 S	125 - 135	40 max	10 max				■	■												
	RESIDHERE AM 130 S	130 - 145	35 max	7 max				■	■												
	RESIDHERE AM 140 S	130 - 145	30 - 40	5 max				■	■												
	RESIDHERE AM 145	140 - 150	30 - 40	8 max				■	■												
	RESIDHERE AM 150	140 - 155	130 - 160	12 max			■	■	■										■		
	RESIDHERE AM 155	140-160	200-220	12 max				■	■												
	RESIDHERE RF 130	127-137	134-145	12 max					■										■		
	RESIESTER GR 15	100-105	30 max	30 max									■	■							
	RESIESTER GR 30	115-125	20-30	20-30									■	■							
	RESIESTER GR 36	125-135	20-30	20-30										■							
	RESIESTER GR 51	140-150	30-40	30-40			■							■							
	RESIESTER NR 15	120-130	20 max	20 max			■							■							
	RESIESTER NR 30	130-140	20-30	20-30			■							■							
FOOD ESTERS	RESIESTER 90	82 - 90	9 max	9 max	-								■		■						
	RESIESTER GUM A	82-90	9 max	9 max	-								■		■						
	RESIESTER NA	100 - 108	14 max	8 max	-								■		■						
	RESIESTER GUM DA	105 - 115	9 max	10 max	-								■		■						
	RESIDHERE EG 85 F	82 - 88	3-9	5-6	-								■		■						
	RESIDHERE EG 104 F	90 - 105	3-9	5-6	-								■		■						
	HYDRODHERE EG 90 F	79 min	3-10	6-7	-								■		■					■	
HYDROGENATED ROSIN	HYDRODHERE GR	65 min	150 min	6-7	-								■							■	
	HYDRODHERE ES 90	85-95	5 min	5-6	-								■							■	
	HYDRODHERE EP 100	95-110	20 max	7-8	-								■							■	
DISPROPORTIONATE GUM ROSIN	RESIDIS	58-65	142-150	8 max	-								■								
	RESIDIS 40	36-42	125-155	8 max									■								
	RESIDIS 455	70-75	130-160	8 max									■								■
	RESISOAP 455/70	paste	12 max	10 max																	■
	RESISOAP 455/80	paste	12 max	10 max														■			■
	RESIDHERE DP 40	50 min	130 min	3-4							■	■	■					■			
	RESIDHERE DP 50	70-85	140-165	6-7							■	■	■								
POLYMERIZED GUM ROSIN	RESIDIS POLYMER	95-105	140-150	10 max									■							■	
	RESIDIS POLYMER 35	83-93	105-120	9 max									■							■	
HIGHLY STABILIZED ROSIN	RESIDHERE FD 80 WW-X	75 min	155-170	7 max									■							■	
DIBASIC ACID-MODIFIED ROSINS	COLMODIF R 330	105-115	200-220	10 max			■							■							
	COLMODIF 295 F	145-155	280-320	10 max			■							■							

TECHNICAL DATA

TYPICAL PROPERTIES

ROSIN RESINS		SP (°C)	ACID NUMBER (mgKOH/g)	COLOR (GARDNER)	VISCOSITY (cP)	Road Marking	Printing Inks	Varnish and Sealants (Nitrocellulose)	Paints (Industrial)	Book Binding	PSA	Adhesive Paper and Tape	General Adhesives	Protective Coatings or Lacquers	Gum Base for Chewing Gum	Hair Removal Wax	Shoe/Floor Polishes	Rubber	Fruit Coating	Depilating Wax	Cement and Mortars
CONSTRUCTION-MINING-TYRE & RUBBER	RESIDHERE DP 40	50 min	130 min	3-4	-													■			■
	RESIDHERE DP 50	70-85	140-165	6-7	-													■			■
		SOLIDS CONTENT %	ACID NUMBER	pH																	
	RESIDHERE AB 150	47-55	-	9-12	-													■			■
	RESIDHERE AB 180	78-84	9-14	-	-													■			■
FUMARIC ACID FORTIFIED ROSIN	RESIDHERE AB 100	95-105	170-185	12 max	-							■									
	RESIDHERE AB 115	105-115	210-250	12 max	-							■									
SPECIALTY RESINS FOR ADHESIVES	RESIDHERE PT 25 H	-	20 max	5 max	15000-40000 (cPs 150 °C)						■	■	■							■	
	RESIDHERE PT 95 H	90-100	15 max	4 max							■	■	■							■	
	RESIDHERE PT 97 HP	97-105	20 max	2-3							■	■	■								
	RESIDHERE PT 98 H	90-105	15 max	4 max						■	■	■	■								
	RESIDHERE PT 100 HP	104 min	10 max	3-4	min 6000 cPs 140 °C						■	■	■							■	
	RESIDHERE PT 100 H	98-103	10 max	4 max	3000-5000 (cPs 140 °C)						■	■	■							■	
	RESIDHERE PT 105 H	95-110	3 max	4-5				■	■												
			pH	SOLIDS CONTENT %	VISCOSITY (cPs 20 °C)																
TACKIFIER DISPERSIONS	LUREDIS 400	70	7±0,5	51±1	100-900								■								
	LUREDIS 600	80	7±0,5	51±1	100-900								■								
	LURESTER 800	70	7±0,5	51±1	100-900								■								
	LURESTER 850	85	7±0,5	51±1	100-900								■								
	LURESTER 850 H	85	7±0,5	54±1	100-1000								■								
	LURESTER 950 H	95	7±0,5	53±1	80-600								■								

GUM TURPENTINE DERIVATIVES		SPECIFIC GRAVITY	ACID NUMBER (mgKOH/g)	APHA COLOR	WATER (%)	REFRACTION (20 °C)	
PINE OIL	RESCOL EXTRA	0.888 - 0.898	2.00	yellowish	0.5	1.472 - 1.479	Disinfectants, fragrances and essences, masking agent for paints, carrier in the agrovet industry, mineral flotation(specially graphite),Disinfectants, fragrances and essences, masking agent for paints, carrier in the agrovet industry, mineral flotation(specially graphite),industrial degreasers,reticulate agent for paints (forced drying stove)to avoid bubbling.
	RESCOL 65	0.911 - 0.917	2.00	yellowish	0.5	1.479 - 1.483	
	RESCOL 85	0.925 - 0,930	0.20	30 max	0.50	1.479 - 1.483	
AROMATIC TERPENES	TERPINYL ACETATE	0.958 - 0.963	1.00	30 max	0.2	1.462 - 1.466	Fragrances and essences.
	DIPENTENTE (SOLVENTE AP-50)	0.850 - 0.870	0.5	30 max	0.5	1.460 - 1.480	
	TERPINEOL	0.932 - 0.940	0.20	20 max	0.6	1.480 - 1483	Chemical intermediate in the production of pine oil, mircene, camphere, dihydmircenol,and other substances used in fragrance formulation.Polyterpene resins.
	ALPHA PINENE	0.856 - 0.870	0.5	30 max	0.2	1.460 - 1.480	
	BETA PINENE	0.867 - 0.870	0.5	30 max	0.5	1.460 - 1.480	

PLASTICIZERS						Road Marking	Printing Inks	Varnish and Sealants (Nitrocellulose)	Paints (Industrial)	Book Binding	PSA	Adhesive Paper and Tape	General Adhesives	Protective Coatings or Lacquers	Gum Base for Chewing Gum	Hair Removal Wax	Shoe/Floor Polishes	Rubber	Fruit Coating	Depilating Wax	Cement and Mortars
PLASTICIZERS	PLASTDHERE 500	-	10 max	5 max	500 - 1000 cPs 50°C						■	■	■							■	
	PLASTDHERE 2000	-	10 max	5 max	1500 - 2300 cPs 50°C						■	■	■							■	

COLOPHONY (GUM ROSIN)

Gum Rosin is a natural and renewable product obtained from the distillation of gum oleoresin from living pine trees.

Properties: Gum Rosin is an amber-yellowish solid. Easily soluble in alcohols, ethers, esters, ketones, Hydrocarbons and aromatic solvents.

Applications: Natural product with diverse applications. Used for the manufacture of synthetic resins, glues and adhesives, depilatory waxes, soaps, paints and varnishes, mortar and concrete.

COLOPHONY (GUM ROSIN - RB SOCER / BRAZIL)

PRODUCT	DESCRIPTION	SOFTENING POINT °C (Ring&Ball)	ACID NUMBER (mgKOH/g)	GARDNER COLOUR	CYRISTALLIZATION IN ACETONE (minutes)	REACH	KKDIK	MAIN USES
COL 1440	Colophony Gum Rosin WW-X	68-78	158-168	7 max	1440 min.	✓	✓	Adhesives, Rosin Derivatives, Depilatory Waxes, Paper Size, Paints, Micro Fusion Waxes, Rubbers, etc.
COL 240	Colophony Gum Rosin WW-X	68-78	158-168	7 max	240 min.	✓	✓	Adhesives, Rosin Derivatives, Depilatory Waxes, Paper Size, Paints, Micro Fusion Waxes, Rubbers, etc.
COL 90	Colophony Gum Rosin N-WW	68-82	158-180	9 max	90 min.	✓	✓	Adhesives, Rosin Derivatives, Paper Size, Paints, Micro Fusion Waxes, Rubbers, etc.
COL 15	Colophony Gum Rosin N-WG-WW	76-90	158-180	9 max	15 min.	✓	✓	Rosin Derivatives, Paper Size, Paints and Varnishes, Micro fusion Waxes, Additives and Rubbers

GUM ROSIN ESTERS

Glycerol esterified rosin.

Properties: Glycerol esters have a low initial color and excellent adhesion. They have good resistance to yellowing and heating. Good compatibility with natural and synthetic rubbers. Soluble in esters, ethers, ketones, aromatic and aliphatic solvents.

Applications: Can be used in road marking paint, PSA adhesives, hotmelt adhesives, depilatory waxes, glues and adhesives in general.

GLYCEROL ESTERS (RB LURESA / SPAIN, RB SOCER BRAZIL)

PRODUCT	DESCRIPTION	SOFTENING POINT °C (Ring&Ball)	ACID NUMBER (mgKOH/g)	GARDNER COLOUR	FOOD CONTACT	KKDIK	MAIN USES
RESIDHERE ES 85 SD	Glycerol Esters	75 - 85	10 max	5 max	-	✓	PSA, General Adhesives, Adhesive Paper and Tape, Depilatory Waxes, Rubbers,
RESIDHERE ES 90 SD	Glycerol Esters	80-95	10 max	5 max	-	✓	Book Binding, PSA, General Adhesives, Hair Removal Wax
RESIDHERE ES 90 S	Glycerol Esters	80-100	9 max	5 max	-	✓	Book Binding, PSA, Adhesive Paper and Tape, General Adhesives, Hair Removal Wax
RESIDHERE ES 95 S	Glycerol Esters	85-95	15 max	5 max	-	✓	Glues and Adhesives in General, Depilatory Waxes, Varnish and Paints (Industrial)
RESIDHERE ES 95 R	Glycerol Esters	90-105	20-30	3-4	-	✓	Glues and Adhesives in General, Depilatory Waxes, Varnish and Paints (Industrial)
RESIDHERE ES 100 S	Glycerol Esters	90-105	15 max	5 max	-	✓	Book Binding, PSA, Adhesive Paper and Tape, General Adhesives, Hair Removal Wax

GCC PROTEK
Global Chemicals & Coating

GrupoRB

GLYCEROL ESTERS (RB LURESA / SPAIN, RB SOCER BRAZIL)

PRODUCT	DESCRIPTION	SOFTENING POINT °C (Ring&Ball)	ACID NUMBER (mgKOH/g)	GARDNER COLOUR	FOOD CONTACT	KKDIK	MAIN USES
RESIDHERE EG 85 F	Gum Rosin modified with glycerol	82-88	3-9	7 max	✓	✓	Adhesives, Chewing Gum Depilatory Waxes
RESIDHERE ES 101 H	Glycerol Esters	98-102	15 max	5 max	-	✓	Book Binding, PSA, General Adhesives, Hair Removal Wax
RESIESTER GUM A 35	Glycerol Ester of Dehydrogenated Gum Rosin	80-90	14 max	5 max	✓	✓	Adhesives, Depilating Waxes Master Batches and Pigments Protective Coatings or Lacquers
RESIESTER GUM 35 V	Glycerol Ester of Stabilized Gum Rosin	90-95	14 max	5 max	x	✓	Adhesives, Depilating Waxes Master Batches and Pigments Protective Coatings or Lacquers
RESIDHERE EG 104 F	Gum Rosin modified with glycerol.	90-105	8 max	7 max	✓	✓	Adhesives, Chewing Gum Deodorized adhesives, Chewing Gum, Citric Aroma Emulsions
RESIESTER F 110	Alcohol and Alkali Soluble Resin	135-145	115-140	10 max	-	-	Inks, Protective Coatings or Lacquers
RESIESTER C	Alcohol and Alkali Soluble Resin	155-165	195-210	10 max	-	-	Inks, Protective Coatings or Lacquers

TRIETHYLENE GLYCOL ESTERS

Gum Rosin esterified with triethylene glycol.

Properties: Triethylene glycol ester is a liquid , viscous ester.It has a good resistance to yellowing and to heating , low initial color and excellent adhesion.

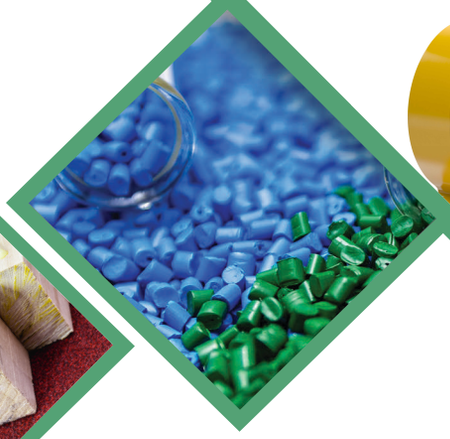
Applications: Can be used in PSAs, Hot melt adhesives, depilatory waxes, glues and adhesives and perfume fixative.

TRIETHYLENE GLYCOL ESTERS (RB LURESA/SPAIN, RB SOCER/BRAZIL)

PRODUCT	DESCRIPTION	SOFTENING POINT °C (Ring&Ball)	ACID NUMBER (mgKOH/g)	GARDNER COLOUR	VISCOSITY	REACH	KKDIK	MAIN USES
RESIDHERE TE 25 H	Triethylene Glycol Esters	Viscous liquid	20 min	4 max	1500-5500 cPs 50 °C	✓	✓	Hot-melt, PSA, Gluesand Adhesives in General; Depilatory Waxes; Tapes and Adhesive Papers.
RESIDHERE PT 25 H	Triethylene Glycol Esters	Viscous liquid	20 max	5 max	15000- 40000 cPs 50 °C	✓	✓	PSA, glues and adhesives in general; Tapes and adhesive papers.
RESIESTER T	Triethylene Glycol Ester of Stabilized Gum Rosin	Viscous liquid	20 max	6 max	370 ± 30	-	✓	Adhesives Depilating Waxes
RESIESTER T 5	Triethylene Glycol Ester	Viscous liquid	30 max	8 max	8500 ± 1000	-	✓	Adhesives
RESIESTER T 3	Triethylene Glycol Ester of Stabilized Gum Rosin	Viscous liquid	20 max	7 max	100 ± 10	-	✓	Adhesives, Depilating Waxes

ETHYLENE GLYCOL ESTERS

PRODUCT	DESCRIPTION	SOFTENING POINT °C (Ring&Ball)	ACID NUMBER (mgKOH/g)	GARDNER COLOUR	VISCOSITY (Pa.s)	FOOD CONTACT	KKDIK	MAIN USES
RESIESTER MR	Ethylene Glycol Ester of Stabilized Gum Rosin	65-75	60-70	5 max	95 ± 10	✓	✓	Adhesives, Depilating Waxes



PENTAERYTHRITOL ESTERS

Pentaerythritol esterfied rosin.

Properties: Pentaerythritol esters have a low initial color and excellent adhesion.These tend to have a higher softening point than glycerol esters. They have good resistance to yellowing and heating. Good compatibility with natural and synthetic rubbers. Soluble in esters, ethers, ketones, aromatic and aliphatic solvents.

Applications: Can be used as a substitute for hydrocarbon, aromatic or aliphatic resins. They can also be applied to glues, hotmelt adhesives, and PSA adhesives.

PENTAERYTHRITOL ESTERS (RB LURESA / SPAIN, RB SOCER / BRAZIL)

PRODUCT	DESCRIPTION	SOFTENING POINT °C (Ring&Ball)	ACID NUMBER (mgKOH/g)	GARDNER COLOUR	FOOD CONTACT	KKDIK	MAIN USES
RESIESTER 80	Pentaester of Stabilized Gum Rosin	65-75	60-70	5 max	-	✓	Adhesives, Depilating Waxes
RESIDHERE EP 95 S	Pentaerythritol Esters	95-105	15 max	4 max	-	✓	PSA, General Adhesives
RESIDHERE EP 100 S	Pentaerythritol Esters	100-110	15 max	4 max	-	✓	PSA, General Adhesives
RESIDHERE EP 105 H	Pentaerythritol Esters	105-110	15 max	5 max	-	✓	PSA, General Adhesives
RESIDHERE EP 110 S	Pentaerythritol Esters	105-115	15 max	4 max	-	✓	PSA, General Adhesives
RESIDHERE EP 120	Pentaerythritol Esters	110-120	100-120	4-5	-	✓	SA, General Adhesives
RESIESTER N 35	Pentaester of Stabilized Gum Rosin	94-100	14 max	6 max	-	✓	Adhesives, Master Batches and Pigments, Protective Coatings or Lacquers
RESIESTER N 35 S	Pentaester of Highly Stabilized Gum Rosin	96-102	14 max	5 max	-	✓	Adhesives, Master Batches and Pigments, Protective Coatings or Lacquers
RESIESTER N 35 V	Pentaester of Stabilized Resin Acids	105-112	14 max	5 max	-	✓	Adhesives, Protective Coatings or Lacquers
RESISTER 810 V	Pentaester of Stabilized Resin Acids	115-120	14 max	5 max	-	✓	Adhesives, Inks, Protective Coatings or Lacquers
RESISTER ND 35	Pentaester of Polymerized Gum Rosin	122-130	14 max	9 max	-	✓	Adhesives, Inks, Protective Coatings or Lacquers

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ROAD MARKING RESINS

RESIDHERE DV, is RB Group's rosin-based product line developed specifically for road marking applications.

Properties: RESIDHERE DV range is a rosin-based product modified and esterified with polyols. This material has very good resistance to yellowing and heat. In addition, it is a fast-drying product,low initial color and excellent tack. Shows good compatibility with EVA. They are soluble in esters, ethers, ketones, aromatic and aliphatic solvents.

Applications: Product specifically developed for application in road marking paint.

ROAD MARKING RESIN (RB SOCER/BRAZIL)

PRODUCT	DESCRIPTION	SOFTENING POINT °C (Ring&Ball)	ACID NUMBER (mgKOH/g)	GARDNER COLOUR	KKDIK	MAIN USES
RESIDHERE DV 75 S	Gum Rosin Esters	70-80	30 max	5 max	✓	Road Marking
RESIDHERE DV 95 S	Gum Rosin Esters	90-105	20 max	6 max	✓	Road Marking
RESIDHERE DV 100 S	Gum Rosin Esters	95-110	25 max	8 max	✓	Road Marking
RESIDHERE DV 115 SM	Gum Rosin Esters	110-120	20-30	7 max	✓	Road Marking
RESIDHERE DV 125 S	Gum Rosin Esters	115-125	20-30	7 max	✓	Road Marking
RESIDHERE DV 125 SM	Gum Rosin Esters	118-128	30-45	7 max	✓	Road Marking

WATERBORNE DISPERSIONS

ACQUADHERE is a dispersion of gum rosin ester in water for application in adhesives.

Properties: This aqueous dispersion is an opaque, adhesive white liquid. It has excellent compatibility with polymers including NR, acrylic, and SBR. Solvent-free dispersion designed to promote increased adhesiveness.

Applications: PSA water-based adhesives for application on tapes, paper, and adhesive labels; water-based glues and adhesives in general.

SOLVENT FREE DISPERSION FOR ADHESIVES (RB SOCER/BRAZIL)

PRODUCT	DESCRIPTION	SOFTENING POINT °C (Ring&Ball)	pH	VISCOSITY (cPs-25 °C)	KKDIK	MAIN USES
ACQUADHERE OT	Solvent Free Rosin Ester Dispersion	52 min	6,5-9,5	50-200	✓	PSA water-based adhesive; Applications on tapes, papers and adhesive labels; Glues and adhesives base water in general; Construction; Automotive.

MODIFIED GUM ROSIN ESTERS

FUMARIC RESINS

Fumaric resins are rosin modified with fumaric acid and esterified with polyols resins.
Properties: Fumaric resins have strong adhesion to the substrate and promote fast drying, higher brightness and good strength. They are soluble in esters, alcohols, aromatic solvents and alkaline solutions.
Applications: Nitrocellulose-based inks, synthetic enamels, varnishes, flexographic inks, rotogravure inks, and leather finishing.

FUMARIC RESINS (RB SOCER/BRAZIL)

PRODUCT	DESCRIPTION	SOFTENING POINT °C (Ring&Ball)	ACID NUMBER (mgKOH/g)	GARDNER COLOUR	KKDIK	MAIN USES
RESIDHERE AF 140	Fumaric Resins	145-170	160-190	10 max	✓	Printing Inks
RESIDHERE AF 145	Fumaric Resins	140-155	130-150	10 max	✓	Printing Inks
RESIDHERE AF 150	Fumaric Resins	145-160	185-205	10 max	✓	Printing Inks, Shoe/floor Polishes, Fruit Coating
RESIDHERE AF 155	Fumaric Resins	140-160	180-205	10 max	✓	Printing Inks, Shoe/floor Polishes, Fruit Coating
RESIDHERE AF 160	Fumaric Resins	145-160	185-205	10 max	✓	Printing Inks, Shoe/floor Polishes, Fruit Coating
RESIDHERE AF 165	Fumaric Resins	150–175	155-170	10 max	✓	Nitrocellulose Based Paints and Varnishes, Fruit Coating

MALEIC RESINS

Maleic resins are rosin modified with maleic anhydride and esterified with polyols resins.
Properties: Maleic resins promote fast drying, higher brightness and good strength. They improve wettability, adhesion, and are resistant to yellowing and heating. They are soluble in esters, ethers, ketones, aromatic and aliphatic solvents.
Applications: Nitrocellulose-based paints, wood coatings, polyesters, PU and synthetic enamels. Can be used for citrus fruit coating.

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MALEIC RESINS (RB LURESA/SPAIN, RB SOCER/BRAZIL)

PRODUCT	DESCRIPTION	SOFTENING POINT °C (Ring&Ball)	ACID NUMBER (mgKOH/g)	GARDNER COLOUR	MAIN USES
RESIDHERE AM 135	Maleic Resins	125-150	25-40	10 max	Varnish And Sealants (Nitrocellulose), Paints (Industrial)
RESIDHERE AM 140	Maleic Resins	130-145	30-40	8 max	Varnish And Sealants (Nitrocellulose), Paints (Industrial)
RESIDHERE AM 125 S	Maleic Resins	125-135	40 max	10 max	Varnish and Sealants (Nitrocellulose),Lacquers, Paints(Industrial)
RESIDHERE AM 130 S	Maleic Resins	130-145	35 max	7 max	Varnish and Sealants (Nitrocellulose),Lacquers, Paints(Industrial)
RESIDHERE AM 140 S	Maleic Resins	130-145	30-40	5 max	Varnish And Sealants (Nitrocellulose), Paints Industrial
RESIDHERE AM 145	Maleic Resins	140-150	30-40	8 max	Varnish And Sealants (Nitrocellulose), Paints (Industrial)
RESIDHERE AM 150	Maleic Resins	140-155	130-150	12 max	Printing Inks, Varnish And Sealants (Nitrocellulose), Paints (Industrial) Fruit Coating
RESIDHERE AM 155	Maleic Resins	140-160	200-220	12 max	Varnish and Sealants (Nitrocellulose),Printing inks, Paints(Industrial)
RESIDHERE RF 130	Maleic Resins	130-145	130-145	12 max	Paints(Industrial),Fruit Coating
RESIESTER GR 15	Maleic Modified Glycerol Ester of Gum Rosin	100-105	30 max	10 max	Adhesives, Protective Coatings or Lacquers
RESIESTER GR 30	Maleic Modified Glycerol Ester of Gum Rosin	115-125	20-30	9 max	Adhesives, Protective Coatings or Lacquers
RESIESTER GR 36	Maleic Modified Glycerol Ester of Gum Rosin	125-135	20-30	9 max	Protective Coatings or Lacquers
RESIESTER GR 51	Maleic Modified Glycerol Ester of Gum Rosin	140-150	30-40	10 max	Inks, Protective Coatings or Lacquers
RESIESTER NR 15	Maleic Modified Pentaerythritol Ester of Gum Rosin	120-130	20 max	9 max	Inks, Protective Coatings or Lacquers
RESIESTER NR 30	Maleic Modified Pentaerythritol Ester of Gum Rosin	130-140	20-30	10 max	Inks, Protective Coatings or Lacquers

FOOD ESTERS

Resin from rosin esterified with glycerol. Washed and deodorized ester for food grade applications.

Properties: Glycerol esters for food applications have low odor and no bitter taste. They are compatible with SBR, NR, IR, BR, CR, and CSM rubbers. Soluble in hydrocarbons, esters, ethers, ketones, and aromatic solvents.

Applications: Natural product used for the manufacture of chewing gum, turbidity agents, and deodorized adhesives.

FOOD GRADE GLYCEROL ESTERS (RB LURESA/SPAIN, RB SOCER/BRAZIL)

PRODUCT	DESCRIPTION	SOFTENING POINT °C (Ring&Ball)	ACID NUMBER (mgKOH/g)	GARDNER COLOUR	FOOD CONTACT	MAIN USES
RESIESTER 90	Glycerol Ester of Gum Rosin, Deodorized	82-90	9 max.	9 max	✓	Adhesives, Chewing Gum
RESIESTER GUM A	Glycerol Ester of Gum Rosin, Deodorized KOSHER	82-90	9 max	9 max	✓	Adhesives, Chewing Gum
RESIESTER NA	Pentaerythritol Ester of Gum Rosin, Deodorized	100-108	14 max	8 max	✓	Adhesives, Chewing Gum
RESIESTER GUM DA	Glycerol Ester of Polymerized Gum Rosin Deodorized	105-115	9 max	10 max	✓	Adhesives, Chewing Gum
RESIDHERE EG 85 F	Gum Rosin modified with glycerol	82-88	3-9	7 max	✓	Adhesives, Chewing Gum
RESIDHERE EG 104 F	Gum Rosin modified with glycerol.	90-105	8 max	7 max	✓	Adhesives, Chewing Gum
HYDRODHERE EG 90 F	Hydrogenated Gum Rosin Modified With Glycerol.	79 min	3-10	6-7	✓	Adhesives, Chewing Gum, Depilatory wax
RESIESTER GUM 35 V						

HYDROGENATED ROSIN

HYDRODHERE is the product line based on hydrogenated rosin. These products are obtained by a catalytic hydrogenation process. This category comprises rosin and hydrogenated rosin esters. RB Group is the sole owner of the technology for manufacturing this product in Brazil.

Properties: HYDRODHERE is a hydrogenated rosin presenting a low color, low odor, high oxidation resistance and high thermal stability.

Applications: HYDRODHERE can be widely used with hotmelt adhesives. The product can also be used to manufacture PSA adhesives, solvent-based adhesives, glues, depilatory waxes, cosmetics, and fragrances.

HYDROGENATED ROSIN(RB SOCER / BRAZIL)

PRODUCT	DESCRIPTION	SOFTENING POINT °C (Ring&Ball)	ACID NUMBER (mgKOH/g)	GARDNER COLOUR	ABIETIC ACID (%)	MAIN USES
HYDRODHERE GR	Hydrogenated Gum Rosin Modified With Glycerol.	65 min	150 min	6-7	3 max	Adhesives,Depilatory Wax, Cosmetics, Fragrances
HYDRODHERE ES 90	Hydrogenated Gum Rosin Modified With Glycerol.	85-95	5 min	5-6	-	Adhesives,Depilatory Wax, Cosmetics, Fragrances
HYDRODHERE EP 100	Hydrogenated Gum Rosin Modified With Glycerol.	95-110	20 max	7-8	-	Adhesives,Depilatory Wax, Cosmetics, Fragrances

MODIFIED GUM ROSINS

Modified Gum Rosins are obtained through disproportionation and polymerization reactions.
Applications: Modified Gum Rosins are recommended for use as tackifier in water and solvent based construction adhesives (carpeting, flooring, framing, tiling, wood laminations, etc.), pressure sensitive adhesives, sealants, electrical insulation oils, solder fluxes, depilatory waxes, pigment preparations and rubber compoundings.

DISPROPORTIONATED GUM ROSIN

PRODUCT	DESCRIPTION	SOFTENING POINT °C (Ring&Ball)	ACID NUMBER (mgKOH/g)	GARDNER COLOUR	MAIN USES
RESIDIS	Disproportionated Gum Rosin	58-65	142-150	8 max	Adhesives, Soldering Fluxes, Master Batches and Pigments
RESIDIS 40	Disproportionated Gum Rosin	36-42	125-155	8 max	Adhesives, Soldering Fluxes, Master Batches and Pigments
RESIDIS 455	Disproportionated Gum Rosin	70-75	130-160	8 max	Adhesives, Polymerization Emulsifier Air Entraining Agent for Cement, s, Master Batches and Pigments
RESISOAP 455/70	Disproportionated Gum Rosin Soap	Paste	12 max	10 max	Polymerization Emulsifiers, Air Entraining Agent for Cement
RESISOAP 455/80	Disproportionated Gum Rosin Soap	Paste	12 max	10 max	Polymerization Emulsifiers, Air Entraining Agent for Cement
RESIDHERE DP 40	Disproportionated Gum Rosin	50 min	130 min	3-4	Soap raw material used for emulsifiers of synthetic rubbers; Hot-melt, PSA, glues and adhesives in general; Tapes, labels and paper adhesives.
RESIDHERE DP 50	Disproportionated Gum Rosin	70-85	140-165	6-7	Soap raw material used for emulsifiers of synthetic rubbers; Hot-melt, PSA, glues and adhesives in general; Tapes, labels and paper adhesives.

POLYMERIZED GUM ROSIN

PRODUCT	DESCRIPTION	SOFTENING POINT °C (Ring&Ball)	ACID NUMBER (mgKOH/g)	GARDNER COLOUR	MAIN USES
RESIDIS POLYMER	Polymerized Gum Rosin	95-105	140-150	10 max	Adhesives, Depilating Waxes, Soldering Fluxes, Master Batches and Pigments
RESIDIS POLYMER 35	Polymerized Gum Rosin	83-93	105-120	9 max	Adhesives, Depilating Waxes, Soldering Fluxes, Master Batches and Pigments

HIGHLY STABILIZED ROSIN (RB SOCER/BRAZIL)

PRODUCT	DESCRIPTION	SOFTENING POINT °C (Ring&Ball)	ACID NUMBER (mgKOH/g)	GARDNER COLOUR	CRYSTALLIZATION	REACH	MAIN USES
RESIDHERE FD 80 WW-X	Rosin without Tendency to Crystallization	75 min	155-170	7 max.	72 h	✓	General Adhesives, Depilatory Waxes

DIBASIC ACID-MODIFIED ROSINS (RB LURESA / SPAIN)

PRODUCT	DESCRIPTION	SOFTENING POINT °C (Ring&Ball)	ACID NUMBER (mgKOH/g)	GARDNER COLOUR	MAIN USES
COLMODIF R 330	Dibasic Acid Modified Gum Rosin	105-115	200-220	10 max	Inks, Bitumen Modifiers, Protective Coatings or Lacquers
COLMODIF 295 F	Dibasic Acid Modified Gum Rosin	145-155	280-320	10 max	Inks, Bitumen Modifiers, Protective Coatings or Lacquers

CONSTRUCTION-MINING-TYRE & RUBBER

Disproportionate Gum Rosin by catalytic process and their respective soaps.

Properties: RESIDHERE DP is a rosin submitted to a disproportionation process. This process converts abietic acid into an isomer called dehydroabietic acid, which presents a higher resistance to oxidation. RESIDHERE AB is a product based on disproportionated Rosin (DPR) soap.

Applications: It can be used as additive in the preparation of cement and mortars. It acts as an emulsifier in the polymerization process of styrene-butadiene, nitrile, polychloroprene and acrylonitrile-butatiene-styrene rubbers. It can also be applied as a dust suppressor in the mining industry.

DISPROPORTIONATED ROSIN

PRODUCT	DESCRIPTION	SOFTENING POINT °C (Ring&Ball)	ACID NUMBER (mgKOH/g)	GARDNER COLOUR	DEHYDROABIETIC ACID (%GC)	MAIN USES
RESIDHERE DP 40	Disproportionated Rosin	50 min	130 min	10 max	30 min	Additive Cement and Mortars, Emulsifier in Rubbers, Dust suppressor in Mining Industry
RESIDHERE DP 50	Disproportionated Rosin	70-85	140-165	6-7	52 min	Additive Cement and Mortars, Emulsifier in Rubbers, Dust suppressor in Mining Industry

SAPONIFIED ROSIN

PRODUCT	DESCRIPTION	SOLID CONTENT %	ACID NUMBER (mgKOH/g)	pH	DEHYDROABIETIC ACID (%GC)	ABIETIC ACID (%GC)	MAIN USES
RESIDHERE AB 150	DPR Soap	47-55	-	9-12	-	-	Additive Cement and Mortars, Emulsifier in Rubbers, Dust Suppressor in Mining Industry
RESIDHERE AB 180	DPR Soap	78-84	9-14		35-45	2,5 max	Additive Cement and Mortars, Emulsifier in Rubbers, Dust Suppressor in Mining Industry

FUMARIC ACID FORTIFIED ROSIN (RB SOCER/BRAZIL)

PRODUCT	DESCRIPTION	SOFTENING POINT °C (Ring&Ball)	ACID NUMBER (mgKOH/g)	GARDNER COLOUR	MAIN USES
RESIDHERE AB 100	Fumaric Acid Modified Rosin	95-105	170-185	12 max	Size For Paper, Raw Material For Resins
RESIDHERE AB 115	Fumaric Acid Modified Rosin	105-115	210-250	12 max	Size For Paper, Raw Material For Resins

SPECIALTY RESINS FOR ADHESIVES (RB SOCER / BRAZIL)

RESIDHERE PT is RB Group's product line developed specifically for adhesive applications.

Properties: The products of the RESIDHERE PT line have excellent adhesion. Among the main characteristics are excellent adhesion and cohesion, and good resistance to yellowing and heating. They are compatible with several natural and synthetic rubbers. Soluble in esters, ethers, ketones, aromatic and aliphatic solvents.

Applications: They can be used on PSA adhesives, hotmelt adhesives, adhesive papers, labels and other adhesives in general.

PRODUCT	DESCRIPTION	SOFTENING POINT °C (Ring&Ball)	ACID NUMBER	GARDNER COLOUR	VISCOSITY (cPs)	MAIN USES
RESIDHERE PT 25 H	Speciality Resins For Adhesives	-	20 max	5 max	15000-40000 (150°C)	Hot-melt, PSA, Glues and Adhesives in General; Depilatory waxes, Tapes and Adhesive Papers
RESIDHERE PT 95 H	Speciality Resins For Adhesives	90-100	15 max	4 max	-	Hot-melt, PSA, Glues and Adhesives in General; Depilatory Waxes, Tapes and Adhesive Papers.
RESIDHERE PT 97 HP	Speciality Resins For Adhesives	97-105	20 max	2-3	-	Glues and adhesives; Hot- melt and PSA; Tapes, labels and paper adhesives
RESIDHERE PT 98 H	Speciality Resins For Adhesives	90-105	15 max	4 max	-	Book Binding, PSA, Adhesive Paper and Tape; General Adhesives
RESIDHERE PT 100 H	Speciality Resins For Adhesives	98-103	10 max	4 max	3000-5000 (140 °C)	Hot-melt, PSA, Glues and Adhesives in General; Depilatory waxes, Tapes and Adhesive Papers
RESIDHERE PT 100 HP	Speciality Resins For Adhesives	104 min	10 max	3-4	min 6000 (140 °C)	Hot-melt, PSA, glues and adhesives in general; Depilatory waxes, tapes and adhesive papers
RESIDHERE PT 105 H	Speciality Resins For Adhesives	95-110	3 max	7 max	-	Industrial Paints and Varnishes Aluminum Based Paints

TACKIFIER DISPERSIONS (RB LURESA / SPAIN)

PRODUCT	TYPE	SOLIDS CONTENT %	pH TYPICAL	VISCOSITY Brookfield 20 °C cPs	SOFTENING POINT °C (Ring&Ball)	FOOD CONTACT	KKDIK	MAIN USES
LUREDIS 400	ACID	50 - 52	6.5 - 7.5	100-900	70	✓	✓	Adhesives
LUREDIS 600	ACID	50 - 52	7±0.5	100-900	80	✓	✓	Adhesives
LURESTER 800	ESTER	50 - 52	7±0.5	100-900	70	✓	✓	Adhesives
LURESTER 850	ESTER	50 - 52	7±0.5	100-900	85	✓	✓	Adhesives
LURESTER 850 H	ESTER	53 - 55	7±0.5	100-1000	85	✓	✓	Adhesives
LURESTER 950 H	ESTER	52 - 54	7±0.5	80-600	95	✓	✓	Adhesives

TURPENTINE

Turpentine is a liquid obtained by the distillation of pine crude gum consisting mainly of alpha-pinene and Beta-Pinene.
Properties: Transparent and colorless liquid with a strong and penetrating pine scent.
Applications: Solvents for industrial paints. Applications in perfumery and pharmaceutical industries.

GUM TURPENTINE (RB LURESA / SPAIN, RB SOCER / BRAZIL)

PRODUCT	ALPHA PINENE (%GC)	BETA PINENE (%GC)	REACH	MAIN USES
SPANISH GUM TURPENTINE	70min	5 min	✓	Solvent for Paint Industries, Applications in the Perfumery Industry and in the Pharmaceutical Industries
ELLIOTTII GUM TURPENTINE	43 min	35 min	✓	Solvent for Paint Industries, Applications in the Perfumery Industry and in the Pharmaceutical Industries
GUM TURPENTINE SUPERGRADE	55 max	50 min	-	Solvent for Paint Industries, Applications in the Perfumery Industry and in the Pharmaceutical Industries

TERPENES

Terpenic Hydrocarbons derived from Turpentine.
Properties: Transparent and colorless liquid with a strong and penetrating pine scent.
Applications: Terpenic hydrocarbons have their main applications in the perfumery industry and are raw material for the manufacture of terpene resins. Can also be used as solvents, degreasers and as masking agent in paints.

TERPENES (RB SOCER / BRAZIL)

PRODUCT	DESCRIPTION	CONCENTRATION (% GC)	MAIN CONSTITUENT	REACH	MAIN USES
ALPHA PINENE	Aromatic Terpenes	95 min	Alpha Pinene	✓	Chemical Intermediate In The Production Of Pine Oil, Mircene, Camphene, Dihydromircenol And Other Substances Used In Fragrance Formulation. Polyterpene Resins
BETA PINENE	Aromatic Terpenes	95 min	Beta Pinene	✓	
DIPENTENE (SOLVENT AP -50)	Aromatic Terpenes	30 min	Alpha Pinene	-	Fragrances And Essences
DIPENTENE (SOLVENT AP-50 SUPERGRADE)	Aromatic Terpenes	50 min	Alpha Pinene	-	Applications in the perfumery industry
DIPENTENE (SOLVENT 820-T)	Aromatic Terpenes	-	Mix of Monociclic Terpene	-	Solvent for the ink industry

PINE OIL

Composed of terpene alcohols and derivatives, having alpha-terpineol as main constituent.

Properties: Transparent and colorless to yellowish liquid with a strong and penetrating pine scent.

Applications: Vehicle, fixing agent and component for fragrance formulation. Pine-based disinfectant with bactericidal properties, solvent and flotation agent for mining.

PINE OIL (RB SOCER / BRAZIL)

PRODUCT	DESCRIPTION	CONCENTRARION (%GC)	MAIN USES
RESCOL EXTRA	Pine Oil	41 min	Disinfectants , Fragrances and Essences, Masking Agent For Paints, Carrier in The Agrovet Industry, Mineral Flotation (Specially Graphite), Industrial Degreasers, Reticulate Agent For Paints (Forced Drying Stove) to Avoid Bubbling
RESCOL 65	Pine Oil	65 min	
RESCOL 75	Pine Oil	75 min	
RESCOL 85	Pine Oil	85 min	
TERPINYL ACETATE	Pine Oil	90 min	Fragrances and essences
TERPINEOL	Pine Oil	91 min	

PLASTICIZERS (RB SOCER / BRAZIL)

PLASTDHERE is Grupo RB's plasticizer line.

Properties: PLASTDHERE is a viscous, adhesive yellowish liquid. This product is soluble in esters, ethers, ketones, and aliphatic and aromatic solvents. Strong adhesion power and flexibility. Phthalate-free product.

Applications: Can be used in PSA adhesives, hotmelt adhesives, depilatory waxes, glues and adhesives in general. It has good compatibility with natural and synthetic rubbers, perfume fixative, nitrocellulose and alkyd resins.

PRODUCT	DESCRIPTION	ACID NUMBER (mgKOH/g)	GARDNER COLOUR	VISCOSITY (cPs 50 °C)	MAIN USES
PLASTDHERE 500	Plasticizer Rosin	10 min	5 max	500 - 1000	Hot-melt, PSA, glues and adhesives in general; Depilatory waxes; Tapes and adhesive papers; Flexographic paints.
PLASTDHERE 2000	Plasticizer Rosin	10 min.	5 max	1800-2300	Hot-melt, PSA, glues and adhesives in general; Depilatory waxes; Tapes and adhesive papers; Flexographic paints.

PHENOLIC MODIFIED ROSIN ESTERS (RB LURESA / SPAIN)

PRODUCT	DESCRIPTION	SOFTENING POINT °C (Ring&Ball)	ACID NUMBER (mgKOH/g)	GARDNER COLOUR	MAIN USES
RESIESTER 1150 G	Phenolic Modified Glycerol Ester of Gum Rosin	100-110	25 max	10 max	Protective Coatings or Lacquers
RESIESTER 1250 G	Phenolic Modified Glycerol Ester of Gum Rosin	133/128-133	25 max	10 max	Protective Coatings or Lacquers
RESIESTER 1100	Phenolic Modified Penta Ester of Gum Rosin	170/165-175	40 max	12 max	Protective Coatings or Lacquers
RESIESTER 1400	Phenolic Modified Penta Ester of Gum Rosin	175/170-180	40 max	12 max	Protective Coatings or Lacquers
RESIESTER AB 314	Phenolic Modified Penta Ester of Gum Rosin	167/160-175	25 max	12 max	Protective Coatings or Lacquers
RESIESTER AB 325	Phenolic Modified Penta Ester of Gum Rosin	167/160-175	35 max	12 max	Protective Coatings or Lacquers
RESIESTER AB 100	Phenolic Modified Penta Ester of Gum Rosin	165/160-170	25 max	12 max	Protective Coatings or Lacquers
RESIESTER AB 150	Phenolic Modified Penta Ester of Gum Rosin	170/165-175	25 max	12 max	Protective Coatings or Lacquers
RESIESTER AB 336	Phenolic Modified Penta Ester of Gum Rosin	142/135-150	30 max	12 max	Protective Coatings or Lacquers
RESIESTER AB 387	Phenolic Modified Penta Ester of Gum Rosin	172/165-180	30 max	12 max	Protective Coatings or Lacquers

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GCC PROTEK®

Global Chemicals & Coating

GrupoRB

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