



ATTIKA
Resin's expert



**RAW MATERIALS AND TECHNOLOGIES
FOR YOUR PRODUCTION**



ABOUT COMPANY

ATTIKA was founded in 2003 and for the being time is one of the leading resin producer in CIS countries. We produce resins for different industries:

- 📦 coatings,
- 📦 adhesives,
- 📦 sealants,
- 📦 composites

OUR MISSION

We produce quality resin to provide our Customers to create its own products with high level standarts. We development our Business and relationships with Partners according to our principles (PREF):

- P – Professionalism
- R – Respect
- E – Efficiency
- F – Finance

OUR ADVANTAGES

- We provide high technical support according to our RD center & our 15 years of experience
- Research & developping of already done products according to technical task of customers»
- 3 production plant - effective logictic:
 - 📦 Saint-Petersburg
 - 📦 Chelyabinsk
 - 📦 Krasnodar

OUR PRODUCER'S VALUE

- Quality resin with high effective price
- Developping formulations
- Increasing our productivity
- High effective logistic with diffent ways of packaging & delivery terms
- Be closer to customers



2020



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ACRYLIC RESINS

ATTIKA & SYNTHOPOL founded its own production of acrylic resins in Russia.

We produce acrylic resins under TM SYNTHALAT in Russia

Acrylic resins for 2P polyurethane coatings



We present our resins under trade marks SYNTHALAT, ATTALATE joint production Germany- Russia.

Trade name	Non volatile content	OH value, %	Viscosity, mPa*s*, s**	Application
Acrylic resins, OH value				
Synthalat A 045	60% B Shellsol A	1,4	70 - 100 s	Industrial coatings, highly elastic, weather-resistant and very adhesive, even on difficult substrates. Good adhesion to metall & plastic
 Synthalat A 060	60% B Shellsol A	1,8	95 - 115 s	2-pack industrial coatings with high elasticity, adhesion and weather resistance
 Synthalat A 065	50% B Shellsol A	2	220 - 300 s	2-pack primers and top coats on wood, steel and plastics, high surface hardness, good chemical resistance, EXTREMELY FAST drying
 Synthalat A 077	60% XYL	2,6	1300 - 2300 mPas	2-pack primers, top coats and one-coat paints. Elastic, good adhesion even to difficult substrates railway road application
Synthalat A 085	60% XYL	2,6	100 - 160 s	2-pack primers, top coats and one-coat paints. Elastic, good adhesion even to difficult substrates. Suitable for commercial transport
Synthalat A 1633	50% XYL	2	100 - 140 s	2-pack furniture coatings for industrial applications, super-fast drying, early stacking resistance
 Synthalat A-TS 3594	51% XYL	3,9	1000 - 1800 mPas	2-pack industrial coatings for metall & plastic, suitable for pigment concentrates
 Synthalat A-TS 3947	65% XYL/Buac	4,2	2400 - 4400 mPas	CAR refinish, high gloss, elasticity, good adhesion, hardness, weather & chemical resistance.
Synthalat A 149 HS	77% Buac	4,5	5000 - 10000 mPas	2-pack high-solid top coats for i.e. cars, vehicles, and industrial coatings
Synthalat A 086 HS	75% Buac	2,6	14000 - 22000 mPas	2-pack coatings with high abrasion-chemical- and weather-resistance for industrial coatings.
Thermoplastic acrylic resins				
Attalate A 526	50% XYL		100-150 s	Universal resin for façade coatings, metall, plastic, aerosol coatings
Attacryl A 144	60% Buac/acetone		90-160 s	For road marking paints, very fast drying - 10 min
Synthalat A 526 HS-B	60% Buac/acetone		400-1600 mPas	Resin for galvanized steel, high adhesion, for HS coatings

POLYESTER RESINS SATURATED

Suitable for production HS coatings and furniture coatings




Trade name	Non volatile content	OH value, %	Viscosity, mPa*s*	Application
Synthoester 1130	75% XYL	4,3	3100 - 3800	Furniture varnishes
Synthoester 186 HS	80 % Buac	6	1000 - 1600	In association with polyisocyanates air- and oven-drying high-solids 2-pack coatings, suitable for automotive and industrial coatings;
Synthoester 215 HS	80 % Buac	6,7	16000 - 24000	HS coatings for carfinish, railway road , commercial transport. For wood, metall, plastic
Synthoester CC 55	70 % BG	-	20000 - 30000	Neutralized with DMEA . Combined with melamine resins for non-yellowing coatings with good gloss

Reductions:

Buac- butylacetate;

MPA- methoxypropylacetate;

 - bestseller

COIL - CAN - COATING

Can Coating – for rolling metall, can, drums coatings



Trade name	Non volatile content	Viscosity, mPa*s*	Acid value	OH value	Application
Synthoester DRS 03-180	65% Shellsol A	4500-5000	< 5	-	Combined with melamine & benzguanamine resins for rolling metall. Good for top coat
Synthoester CC 55	70 % BG	20000-30000	40-45	-	Neutralized with DMEA . Combined with melamine resins for non-yellowing coatings with good gloss (Attlamine 33, Attlamine 35). TOP COATS water based
Synthoester TC 2556	60% B solvesso 150ND/br	2200-3000	< 2	20-40	Universal resin - suitable for primer & top coats, Combined with melamibe & benzguanamine resins for coil coatings.

Reductions: RM-propylene glycol monomethyl ether; BG - butylglycol;
HMMM - hexamethoxymelamine resin;

POLYISOCIANATES

Polyisocyanates - products, consists in its structure ISOCIANATE group - N C- O--, together with OH group forms R-NHCOO-R. We present you aliphatic & aromatic isocyanates for different fields of application.



Trade name	Type	Non volatile content	NCO, %	Equivalent weight	Viscosity, mPa*s*	Application
Aliphatic isocyanates						
ATTONATE AL 75	HDI	75% MPAX/X	16,5	255	250	2P polyurethane coatings with good UV & chemical resistance for high decorative and mechanical properties
ATTONATE AL 3390	HDI	90 % Buac/CH	19,6	214	550	2P PU coatings with great protective & decorative properties, for HS systems for use in carrefinish, industrial & wood furniture.
ATTONATE AL 3300	HDI	100%	21,8	193	3000	
ATTONATE AL 3600	HDI	100%	23	183	1200	
Aromatic isocyanates						
ATTONATEAR 75	HDI	75 % EA	13,3	315	1600	Standart aromatic isocyanates for wood furniture, PU primers, for concrete protection. Provide hardness
ATTONATEAR 1351	HDI	51 % Buac	8	525	3000	For wood furniture, paper coatings, fst drying. Provides elasticity
Blocked isocyanates						
ATTONATE BL 3175	HDI	75 % CH	11,1 блок	378	3000	For 1K non-yellowing coatings, temperature-cured for can & coating for metall application.

Reductions:

MPA- methoxypropylacetate;

Buac- butylacetate;

CH - solvent naphta;

EA -etylacetate;









- bestseller

1. ALKYD RESINS

We produce high quality alkyd resins with high colour and fast drying time.




Trade name	Non volatile content	Viscosity, mPa*s*, S**	Oiltype	Application
 Attalate L 541	60 % XYL	140 - 200 s	38 % linseed/ tung oil	Alkyd modified phenolic resin, Perfect for industrial fast drying primer, primer- enamel. Tolerant to surface. fast drying - 50 min
 Attalate S 541	50 % XYL	120 - 180 s	39 % sunflower/ tung	Alkyd modified phenolic resin, Perfect for industrial fast drying primer- enamel, top coats. Quick drying - 120 min Effective price
 Attalate 627	60 % XYL	2000 - 3000 mPas	38 % linseed/ tung oil	Alkyd modified phenolic resin, Perfect for industrial fast drying primer, primer- enamel for high solid coatings. Tolerant to surface. Fast drying - 90 min
 Attalate AS 129	60 % XYL	110 - 190 s	41 % fatty acid tall oil/styrene	Styrene-modified alkyd resin for primer-enamel, top coats, hammer effects. High elasticity & hardness. Very fast drying - 20 min
 Attalate ET 240	60 % XYL	150 - 220 s	40 % Fatty acids tall oil/60% epoxy resin	Epoxy -modified alkyd resin. For high chemical & water resistance 1K primer, primer-enamel, Zn-primer. Fast drying - 60 min.
 Attalate ET 220	45 % XYL	100 - 150 s	40 % tall oil/ epoxy resin	Epoxy -modified alkyd resin. Good chemical & water resistance 1K primer, primer-enamel, Zn- primer. Fast drying - 60 min.
Attalate 730	60% XYL	2000 - 3000 mPas	27 % fatty acids drying oils	OH-functional alkyd for 1P & 2P coatings for metall, wood. Universal. Fast drying - 90 min
Attalate W 341	75 % Buac	35 - 50 s	41 % fattyacid vegetable oil	For wood furniture varnishes with fast polishing.
Attalate W 433	75% XYL	25 - 35 s	33 % fatty acid vegetable oil	For 2P PU coatings combined with NCO for wood application.
Synthalat DRS 05-117	75% B BG	70- 130 s	35 % TOFA	Protective coatings for 1P primers, enamels, for can coatings, waterbased

* viscosity measured at 23 °C, in supplying form. *★ measured in cup of Ford DIN 4 at 20 °C in 50 % solution

Reductions:

Buac - butylacetate;



BG - butylglycol;

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2. Chlorinated resins


Suitable for fast drying, high solid coatings with drying time up to 40 min at 200 mkm



Trade name	Form	Chlor consist, %	Viscosity, S*	Solubility, max, %	Loss at drying, %
Chlorinated rubber					
 ATTIKA CR-10	white powder	65	8 - 13*	60	0,6
Chlorinated polyethylene					
ATTIKA HCPE-H	white powder	65	160 - 220*	20	
 ATTIKA HCPE-M	white powder	65	20 - 30*	60	0,5

*-viscosity 10% resin solution in xylene;

** - viscosity 40% resin solution in xylene;

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AMINO RESINS




Used in formulation 1P temperature-cured coatings combined with epoxies, polyester and acrylic resins for can & coil coatings, for car industry




Trade name	Free formaldehyde, %	Non volatile content	Acid value mg KOH/g	Colour	Viscosity, mPa*s*,	Application
Melamine-formaldehyde resins						
ATTLAMINE33	0,2	98%	1	1	2700	For solvent based, water based 1P coatings for can & coil coatings.

EPOXY RESINS







Trade name	Non volatile content	Equivalent weigh, g/eq	Viscosity, mPa*s	Colour	Application
Epoxy resins based Bisphenol A					
YD-017	100%	1750 - 1950	2000 - 3000*	0,5	Can coating.
YD-019	100%	2500 - 3100	4500 - 9000*	0,5	Can coating.
 YD-011*75	75%	600 - 666	7500 - 11000	0,5	for industrial primer
 YD - 136*80	80%	362 - 418	2500 - 6000	1	Used in formulations of industrail primers
 YD- 128	100%	184 - 190	11500 - 13500	0,5	For high solid, standart type
Epoxy resins based Bisphenol F					
YDF- 170	100%	160 - 180	2000 - 5000	1	Standart type with reduced viscosity
Epoxy-novolac resin					
YDPN-631	100%	165 - 185	1200 - 1800[1] [2]	3	Thermo & chemical resistancecoatings


* - melted at 150 °C;

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Hardeners for epoxy resins



Trade name	Non volatile content	AHEW, g/eq	Viscosity, mPa*s	Colour	Application
Polyamide hardeners					
ATTASURE 2315x70	70% XYL	165 - 185	440 - 1200	8	Polyamide hardener for industrial coatings with long pot life.
Cyclo-aliphatic amines ATTASURE					
 ATTASURE 2042	100%	95	275 - 375	2	For 2P epoxies with HS, high curing time. For industrial primes, flooring
 ATTASURE 2072	100%	115	350 - 450	2	For 2P epoxies with HS, high curing time. For industrial primes, flooring. Long pot life, good leveling
Phenalkamine hardeners					
 Cardolite NC 558	96%	95	900	17	For 2P epoxies, low viscosity, high adhesion, used in solvent-free systems. For potable water marked "Blue angel"
 Cardolite NC 562	65%	175	1300	14	Universal, high speed curing hardener for industrial application. Tolerant to surface. Can be cured at low and even minus temperature and wet surface.
Cardolite NC 540	100%	81	2000	15	For 2P epoxies, low viscosity, high adhesion, used in solvent-free systems. Chemical resistance, fast curing.
Cardolite NC 541*90	90% XYL	144	3000 - 6000	15	For 2P epoxies with HS, curing time - 5h, gel time - 2 h. Recommended for marine coatings.
Cardolite NX 5594	100%	76	750 - 1400	15	Modified phenalkamine, provides fast curing, high chemical and water resistance for pipe, storage tanks, curing time - 2,5 h.
Cardolite NX 8101 Pm80	80% PG	168	1000 - 3500	12	80 % thinnable phenalkamine in PG for industrial primerd for metall, betone protection , good penetration, effective price.

 - bestseller

DRYERS & CATALYST

For curing alkyd resins




Trade name	Solvent	Solvent
Monometall		
Attdry Cobalt	Co 6/10/12 %	White-spirit
Attdry Cobalt	Mn 10 %	
Attdry Cobalt	Zr6/18 96	
Attdry Lead	LE 36%	
Mix		
Attdry 69	Co, Zr 6/9 %	White-spirit

Functional additives



Trade name	Solvent/water	Application
Dehydrating agents		
PSTI	P	100 % n-toluenesulfonile isocyanate. Prevent moisture in 1P и 2P PU systems.
Chemsilone 34	P	additive for hammer effect

 - bestseller

ACRYLIC RESINS




Trade name	Non volatile content	Acid value	Viscosity, mPa*s*; s**	Application
Attalate A 526	50% XYL	10-15	100-150 s	Universal resin for façade coatings, metall, plastic, aerosol costings
Attacryl A 144	60% Buac/acetone		90-160 s	Road marking paints.

EPOXY RESINS





Trade name	Non volatile content	Equivalent weigh, g/eq	Viscosity, mPa*s	Colour	Application
Epoxy resins based Bisphenol A					
YD - 128	100%	184 - 190	11500 - 13500	0,5	For high solid, standart type
Epoxy resins based Bisphenol F					
YD - 170	100%	160- 180	2000 - 5000	1	Standart type with reduced viscosity
Epoxy-novolac resin					
YDPN - 631	100%	165 - 185	1200-1800[1] [2]	3	Thermo & chemical resistancecoatings

* - melted;

 - bestseller


Hardeners for epoxy resins



Trade name	Non volatile content	AHEW, g/eq	Viscosity, mPa*s	Colour	Application
Cyclo-aliphatic amines ATTASURE					
 ATTASURE 2042	100%	95	275 - 375	2	For 2P epoxies with HS, high curing time. For industrial primes, flooring
 ATTASURE 2072	100%	115	350 - 450	1	For 2P epoxies with HS, high curing time. For industrial primes, flooring. Long pot life, good leveling

Chlorinated resins

Suitable for fast drying, high solid coatings with drying time up to 40 min at 200 mkm

Trade name	Form	Chlor consist, %	Viscosity, mPa*s*, S**	Solubility, max, %
Chlorinated rubber				
ATTIKA CR-10	white powder	65	8-13*	40
Chlorinated polyethylene				
 ATT 1 KA HCPE-H	white powder	65	160-220**	60

ACTIVE DILUENTS

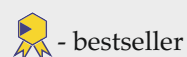
Active diluents are used to reduce the viscosity of epoxy systems, when while modifying the rheological properties of the material.

Trade name	EP equiv weight, g / EQ	Viscosity, mPa*s*, S**	Colour	Application
ATTASURE RD 24	270 – 313	5 - 10	1	Monoglycidyl ether. Active diluent for EP resins.

* dynamic viscosity of 20% resin solution in xylene;

** dynamic viscosity of 10% resin solution in xylene;

*** conditional viscosity of 20% solution in xylene;



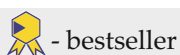
UNSATURATED POLYESTER RESINS

They are used in the production of fiberglass products.



Trade name	Viscosity, mPa*s	Elasticity at break, %	Bending strength Mpa	HDT 0C	Time	Application
Resin-orthophthalic acid for manual molding, rolling, and spraying						
ATTSHIELD OP 145	400 - 450	20-50	113	67	40 - 45	Transparent viscous liquid from pale pink to dark pink color without foreign inclusions recommended for the manufacture of containers for water, septic tanks, bathtubs, cooling towers, etc. winding method
ATTSHIELD OP 745	700 - 900	20-50	113	67	40 - 45	Cloudy viscous liquid of pink color without foreign inclusions. recommended for the manufacture of boats, water tanks, septic tanks, bathtubs, cooling towers, etc. manual molding
ATTSHIELD OP 745 B	200-250	20-50	113	90	40-46	Blue coloured tixotropic preaccelerated resin with reduced styrene emission reduced exothermic for hand & spray application
Resins for the production of fiberglass profiles by pultrusion and prepreg process (SMC)						
ATTSHIELD OP 524	1450	1,50%	120	130	-	Orthophthalic highly reactive resin for the production of heat-resistant products with low shrinkage.
Orthophthalic acid injection resins for the production of polymer concrete, artificial stone, self-leveling floors						
ATTSHIELD OP 524	250	2,6	120	100	16	Highly reactive low viscosity resins for products with high mechanical characteristics and heat resistance

Trade name	Viscosity, mPa*s	Acid. Number of mg KOH/g	Gel time	Application
ATTSHIELD 41	350 - 400	10 - 13	30 - 35	Chemical-resistant resin based on bisphenol, characterized by high mechanical strength and excellent reliability.
ATTSHIELD 47	300 - 350	-	30 - 35	Chemical-resistant resin based on Novolek. Excellent resistance to oxidants and mixtures of chemicals, including solvents. Chemical-resistant fiberglass.
Matrix resins				
ATTSHIELD XO	400 - 600	-	10 - 15	Non-shrink resin for the production of the fast matrices.
Cast resins				
ATTSHIELD OP 215	250 - 350	14 - 20	8 - 12	For the production of marble, granite and polymer concrete.



Gelcoats & topcoats ATTGUARD

ATTIKA company produces gelcoats and topcoats according to the RAL color scale for apply by hand (using a roller or brush) and spray under ATTGUARD's own brand name.



Trade name	Base	Viscosity, mPa*s	The gel time, min.	Elongation, %	Description	Application
ATTGUARD ST	ISO/NPG	7-13/1,6-2,4	10 - 25	2,5-3,5	Resistant to UV radiation and weather conditions. It is used in vehicles and shipbuilding.	Fiberglass containers and pipes are unsaturated polyesters.
ATTGUARD PR	ISO/NPG	8-12/2-3	12 - 25	3,0-3,5	It has a high chemical resistance. It can be used for the production of products in contact with aggressive media.	Chemical-resistant protective coatings of composite materials.
ATTGUARD FR	ISO/NPG	8-12/2-3	10-20	3,0-3,7	It is used for fire-resistant coatings.	Fire-resistant protective coatings of composite materials.

*Gelcoats and Topcoats are produced in the colors of the RAL catalog.

ACCELERATORS, CATALYSTS

For curing of polyester and epoxy resins is required by the initiator in which are used as peroxides. Pre-accelerated resins also include accelerator (octoate, cobalt naphthenate, tertiary amine), into a non-accelerated resin. - it is necessary to enter the accelerator and peroxide immediately before forming the product. When they interact, the initiator decays into free radicals that cause polymerization process.



Trade name	Metal, the metal content of, %	Application
Accelerators		
Attdry Cobalt	Co 6 %	Fiberglass containers and pipes are unsaturated polyesters.



Trade name	Type of peroxide	The content of active oxygen	Description
Peroxides			
Promox P 200 TX	Methylethylketone peroxide, a solution in a plasticizer, does not contain phthalates	9,1	Initiator of General use with high reactivity.
Promox P 250 LV			

EPOXY RESINS

Epoxy resins are a product of the interaction of epichlorohydrin and difinololpropane, contain at least 2 epoxy groups in their molecule. Distinguish epoxy resins based on bisphenol A, F, epoxyphenol, epoxinolachnye, EP resins modified with Halogens and siloxanes.



Trade name	Non volatile content	Equivalent weigh, g/eq	Viscosity, mPa*s	Colour	Application
Epoxy resins based Bisphenol A					
YD - 128	100%	184 - 190	11500 - 13500	0,5	For high solid, standart type
Epoxy resins based Bisphenol F					
YD - 170	100%	160 - 180	2000 - 5000	1	Standart type with reduced viscosity
Epoxy-novolac resin					
YD - 631	100%	165 - 185	A - D	3	Thermo & chemical resistancecoatings

Hardeners for epoxy resins



Trade name	Non volatile content	AHEW, г/экв	Viscosity, mPa*s	Colour	Application
Cyclo-aliphatic amines ATTICURE					
ATTICURE 2042	100%	95	275 - 375	2	Sealnuts adhesines, flooring. For 2P epoxies with HS, high curing time. For industrial primes, flooring

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