

# EKER POLYESTER

## CATALOGUE



Eker Polyester was established in 1995 and is among Türkiye's most well-established polyester manufacturers.

Operating with an annual production capacity of 20,000 tons, the company exports its high-quality products to dozens of customers across three continents.

With its strong production infrastructure and consistent export performance, Eker Polyester ranked 90th among the top 100 exporting companies in Türkiye's chemical sector in 2017.

## EKER POLYESTER

Among the member companies of the Istanbul Chemicals and Chemical Products Exporters Association, your company ranked 90th in the Plastic Raw Materials Category in 2017 based on its export performance.

We extend our sincere appreciation for your valuable contribution to our country's exports and wish you continued success in your endeavors.

**Murat Akyüz**

Istanbul Kimyevi Maddeler ve  
Mamulleri İhracatçıları Birliği  
Yönetim Kurulu Başkanı



**Türkiye**  
Discover  
the potential



**2017**  
Plastik Hammaddeler  
Kategorisi



Lloyd's  
Register



# POLYESTER RESIN

## CASTING TYPE POLYESTER RESIN

This resin series are used for casting purpose applications like bathtubs, wash basins, kitchen countertops etc. Suitable for casting artificial marble and solid surface processing.

- High filler capacity and Low shrinkage.
- Economical resins that leaves elegant appearance on the final product.
- Good mechanical properties.
- Providing smooth and shiny surfaces.

**Modifications:**  
**CO:** Accelerated  
**UV:** Contains UV Stabilizers  
**LSE:** Low Styrene Emission  
**HV:** High Viscosity  
**LV:** Low Viscosity  
**SV:** Special Viscosity

Code	Base	Viscosity (cps)	Gel Time (min)	Curing System	Features	Applications
EK-301	Ortho	400 -600 @25 °C 3 Sp. 20 rpm	4 – 8	@ 20°C % 0,2 Co Oct(6% sltn) %2 MEK-P (ButanoxM60)	High filler capacity and Low shrinkage.	Casting

## GENERAL PURPOSE POLYESTER RESIN

This resin series are used for all general purpose applications with Hand lay-up and spray-up applications. They are designed for manufacturing the parts of building and construction, transportation and industrial applications.

- Offer rapid and efficient wet-out.
- Have excellent mechanical properties, with good rigidity and dimensional stability.
- Suitable for use in hand lay-up, spray-up, pultrusion and cold press moulding processes.
- To produce composite parts for different applications like boats, buses, trucks, masonry, exterior architectural elements and cabins etc.
- Economical resin for GRP applications.

**Modifications:**  
**TICO:** Thixotropic & Accelerated  
**CO:** Accelerated  
**AABP:** Amine Accelerated  
**LSE:** Low Styrene Emission  
**HV:** High Viscosity  
**LV:** Low Viscosity  
**SV:** Special Viscosity  
**UV:** Contains UV Stabilizers

Code	Base	Viscosity (cps)	Gel Time (min)	Curing System	Features	Applications
EK-300	Ortho	350 – 500 @25°C 3 Sp. 20 rpm	5 – 8	@ 20°C % 0,2 Co Oct (6% sltn) %2 MEK-P (ButanoxM60)	It is economical, low reactive resin. It is specially designed for non-critical fiberglass applications.	Hand Lay-Up, Laminating
EK-300 TIX	Ortho	500 – 750 @25°C 4 Sp. 50 rpm	15 – 25	@ 20°C %1 MEK-P (ButanoxM50)		Hand Lay-Up, Spray-Up, Laminating

# POLYESTER RESIN

## BUTTON TYPE POLYESTER RESIN

This resin series are suitable for manufacturing of buttons

- Excellent clarity and transparency.
- Ideal hardness and flexibility balances.
- Best curing characteristics.
- Compatible with pearlescent colors and pigment pastes.
- For button production for both rod and centrifugal

**Modifications:**

- HV: High Viscosity
- LV: Low Viscosity
- SV: Special Viscosity

Code	Base	Viscosity (cps)	Gel Time (min)	Curing System	Features	Applications
EK-310	Ortho	650 -800 @25°C 3 Sp. 20 rpm	7 – 14	@ 20°C % 0,1 Co Oct(6% sltn) %1 MEK-P (Butanox M60)	This resin is specialized for shirt button production. Suitable for centrifugal casting method.	Centrifugal Casting
EK-311	Ortho	650 -800 @25°C 3 Sp. 20 rpm	7 – 14	@ 20°C, % 0,1 Co Oct(6% sltn) %1 MEK-P (Butanox M60)	A-grade high quality resins for centrifugal casting processes and sheet casting buttons. Excellent clarity and transparency.	Centrifugal Casting

## ACRYLIC TYPE POLYESTER RESIN

This resin series are suitable for manufacturing of bathtubs and hot tubs as support for Acrylic sheets.

- High filling capacity
- Prevent draining when used on vertical or inclined surfaces.
- Spray-up & hand lay-up applications.
- Excellent adhesion on acrylic sheets.
- Acrylic back-up sheet applications

Code	Base	Viscosity (cps)	Gel Time (min)	Curing System	Features	Applications
EK-321	Ortho	1200-1800 @25°C 3 Sp. 20 rpm	10 – 25	@ 20°C %1 MEK-P (Butanox M60)	%40 CaCO <sub>3</sub> (Calcium carbonate) filled, white colored resin, ready to use for Acrylic Sheet, ABS back-up Applications.	ABS Back-up
EK-322	Ortho	12000 – 22000 @25°C 4 Sp. 5 rpm	10 – 20	@ 20°C %1 MEK-P (Butanox M60)	%40 CaCO <sub>3</sub> (Calcium carbonate) filled, white colored, more reactive resin, ready to use for Acrylic Sheet, ABS back-up Applications.	Acrylic

# POLYESTER RESIN

## SMC & BMC TYPE POLYESTER RESIN

This resin series is used for Sheet Molding Compound (SMC) and Bulk Molding Compound (BMC) applications like production of various electronic parts, small and medium size automotive parts, lighting fixtures and many other industrial parts.

- High reactivity.
- High filler acceptance.
- Good dimensional stability.
- Excellent mechanical properties, heat and chemical resistant.
- Stable thickening behaviour.

Modifications:  
 HV: High Viscosity  
 LV: Low Viscosity  
 SV: Special Viscosity

Code	Base	Viscosity (cps)	Gel Time (min)	Curing System	Features	Applications
EK-501	Ortho	1000 – 1300 @25°C 3 Sp. 20 rpm	3 – 7	@ 25°C % 0,25 Co Oct(6% sltn) %2 MEK-P (Butanox M50)	High-reactive, high-viscosity orthophthalic with excellent dimensional stability, mechanical properties, and resistance to heat and chemicals. Ideal for all Sheet Molding Compound (SMC) and Bulk Molding Compound (BMC) processes.	SMC & BMC

## PUTTY TYPE POLYESTER RESIN

This DCPD based resin series is designed for use in priming application. Suitable for repairing car bodyworks, fill and assemble glass wool products.

- High filling power.
- Easy sandability.
- Excellent chemical and physical resistance.
- Cold curing properties. Good adhesion.

Modifications:  
 HV: High Viscosity  
 LV: Low Viscosity  
 SV: Special Viscosity

Code	Base	Viscosity (cps)	Gel Time (min)	Curing System	Features	Applications
EK-05	Dcpd	450-550 @25 °C 3 Sp. 20 rpm	9 – 15	@20°C %2 BPO	Resin has cold curing properties. The paste has very good adhesion to metal, aluminum, wood and mineral surfaces.	Priming

# GELCOAT

## PERFORMANCE GELCOAT

This performance gelcoat series is suitable for products where high resistance to water and atmospheric conditions are required and where the aesthetic appearance is important besides high chemical and physical resistance properties. This gelcoat series is formulated for cultured marble, artificial marble, automotive, marine, construction and tank applications.

- Very good resistance to yellowing and UV rays. High resistance to heat and chemicals. Used in all areas where the product aesthetics and brightness are frontal.

**Modifications:**  
**S:** Spray-Up  
**H:** Hand Lay-up  
**T:** Transparent  
**W:** White

Code	Base	Viscosity (cps)	Gel Time (min)	Curing System	Features	Applications
EK-60 S	Ortho /Npg	1200-1500@25°C 4 Sp. 50 rpm	15 – 25	@ 20°C %1 MEK-P (ButanoxM60)	Pre-accelerated medium reactive transparent gelcoat with containing UV absorbers. Providing high resistance to heat and chemicals.	Spray-up
EK-60 H	Ortho /Npg	1200-1500@25°C 4 Sp. 50 rpm	15 – 25	@ 20°C %1 MEK-P (ButanoxM60)	Pre-accelerated medium reactive, transparent gelcoat with containing UV absorbers. Providing high resistance to heat and chemicals.	Hand lay-up

## MARINE TYPE GELCOAT

This marine gelcoat series is specialized for marine applications. This gelcoat series has excellent resistance to heat and water, with a high resistance to thermal shock, UV, scratch / tear, wrinkle and fade. This gelcoat series is formulated for use in boats, yachts and marine industry.

- High UV absorbing capacity. Good resistance to yellowing. High resistance to heat and chemicals. Excellent to achieve desired aesthetics and brightness.

**Modifications:**  
**S:** Spray-Up  
**H:** Hand Lay-up  
**T:** Transparent  
**W:** White

Code	Base	Viscosity (cps)	Gel Time (min)	Curing System	Features	Applications
EK-70 S	Iso/ Npg	1200-1500 @25°C 4 Sp. 50 rpm	15 – 25	@ 20°C %1 MEK-P (Butanox M60)	Pre-accelerated medium reactive, transparent gelcoat with containing UV absorbers. Providing excellent resistance to water and heat. Specialized for marine industry.	Spray-up
EK-70 H	Iso/ Npg	2.500-4.000 s @25°C 4 Sp. 50 rpm	15 – 25	@ 20°C %1 MEK-P (Butanox M60)	Pre-accelerated medium reactive, transparent gelcoat with containing UV absorbers. Providing excellent resistance to water and heat. Specialized for marine industry.	Hand lay-up



# EKER POLYESTER

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