

# Polaron®

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Polaron Boya

# ABOUT US

Polaron Boya Kimya Sanayi ve Ticaret AŞ was established in Istanbul at the end of 1999. Our company, which operates in the automotive refinish has taken its place with a well-known and respected image in the sector with the quality and confidence it has created. Polaron also continues its sales, marketing, technical support and training activities in Turkey for the refinish group of Sherwin Williams under the De Beer brand.

The perfect match of ready-made colours with original vehicle colours and the high quality products are the most important features that distinguish our company from our competitors. Our company has increased its product range in the refinish group with its new brand, Blue Horse, which was introduced in 2021.

By closely following the current literature and knowledge, Polaron will continue its production activities in the future without compromising its quality.





# POLARON BOYA

## PAINTS



### P-ACRYL 2K ACRYLIC SOLID COLOR

P-Acryl 2K Acrylic Solid Colours are two-component acrylic solid color paints that create a very glossy surface, excellent spreading and covering, resistant to impacts, resistant to atmospheric conditions and easy to apply. Coated with suitable primer and sanded; It can be applied on old painted, metal, plastic, aluminum, polyester, galvanized and alloy sheet surfaces free from oil and dirt. Can be both air-dried and forced-dried.



### P-ACRYL/C1 BASE

P-Acryl/C1 Base Coat is the first coat of two coats applied metallic-acrylic paint system. The system provides an exceptional optical effect, high durability and resistance to fuel and gloss retention.

**Hint:** Because of nonadherence of clear coat when it is totally dried, can cause peeling. Especially must pay attention on gray and black colours. For this reason must be used thinners **according to the weather conditions**.

## CLEAR COATS



### P-ACRYL/C2 UHS SCRATCH RESISTANT

P-Acryl/C2 UHS Scratch Resistant Clear Coat is a highly glossy, resistant to atmospheric conditions, high fuel resistance and scratch resistance, multi-purpose, ultra high solid clear coat. It can be used on yachts, automobiles, wood, ceramic, galvanized, sheet metal and aluminum surfaces. It has excellent adhesion. It gives 60 microns dry film in one layer application. If more coats are to be applied, at least 30 minutes (23°C) must be waited between coats. Can be both air-dried and forced-dried.



### P-ACRYL/C2 ACRYLIC HS CLEAR COAT

P-Acryl/C2 Acrylic HS Clear Coat is the second coat of a two coat metallic-acrylic paint system applied over basecoat paints. It is highly glossy, resistant to atmospheric conditions, high fuel resistance, high solid acrylic clear coat. Easy to use. Can be both air-dried and forced-dried.



### a-ACRYL/C2 2K ACRYLIC CLEAR

a-Acryl/C2 2K Acrylic Clear Coat is the second layer of the two-coat metallic-acrylic paint system. It is an extremely bright MS acrylic clear coat with a strong levelling, resistant to atmospheric conditions, high fuel resistance, capable of responding to fast work flow with fast drying and easy application. Can be both air-dried and forced-dried.



# PRIMERS



## **P-1K PRIMER MS ACRYLIC PRIMER**

P-1K MS Acrylic Primer is an easy-to-apply, one-component acrylic primer. It dries quickly, has good filling power, and is easily sanded. It does not absorb the top coat paint applied on it. (acrylic, cellulosic, synthetic paints) It provides excellent adhesion on sanded and putty old painted surfaces and all metal surfaces.



## **e-1K PRIMER ANC PRIMER**

e-1K Primer ANC Primer is a one-component modified primer that can be applied easily. It dries quickly, has good filling power, and is easily sanded. It does not absorb the top coat paint applied on it. (acrylic, cellulosic, synthetic paints)



## **P-3+1 HS 2K ACRYLIC PRIMER**

P-3+1 HS 2K Acrylic Primer is a high solid, two component, easy-to-apply primer with high flow limit and very good filling power. Because of its high solid content, it can be used as a polyester primer and thick dry film layers are obtained. Dry film thickness from 75 to 300 microns can be provided according to thinning and the number of layers applied. Colorable with P-Acryl Solid Color Top Coat.



## **P-4+1 HS 2K ACRYLIC PRIMER**

P-4+1 HS 2K Acrylic Primer is a high solid, two-component, easy-to-apply primer with very good filling power and adhesion properties. It is a primer with paint properties therefore it provides smooth surfaces. It does not absorb the paints applied on it and provides long life to the topcoats. Colorable with P-Acryl Solid Color Top Coat.



## **e-4+1 PRIMER HS 2K ACRYLIC PRIMER**

e-4+1 Primer HS 2K Acrylic Primer is a high solids, two component, easy to apply 4+1 acrylic primer with very good filling power and adhesion properties. It does not absorb the paints applied on it and provides long life to the topcoats. Colorable with P-Acryl Solid Color Top Coat.



## **P-5+1 HS ACRYLIC PRIMER**

P-5+1 HS Acrylic Primer is a premium quality, high solid primer. It is an absolute DTM product that can be applied directly to any surface. (galvanized steel, sheet metal, bronzes, aluminium and plastic surfaces, etc.) The product is named "Joker" due to its wide application area and provides application and time advantages. **HINT:** PE or/and PP-PE blend surfaces must be passivated by heat before application.



## **e-5+1 PRIMER HS 2K ACRYLIC PRIMER**

e 5+1 Primer HS 2K Acrylic Primer is a high solid, two-component- easy-to-apply economical primer with excellent filling power. Colorable with P-Acryl Solid Color Top Coat.

# POLARON BOYA

## HARDENERS

### P SERIES HARDENERS

#### P-UHS HARDENER - P-HS HARDENER



**P UHS Hardener** is the hardener of P-Acyl / C2 UHS Scratch Resistant Clear Coat. It is a non-yellowing, high strength, ultra high solid hardener. It should be used upper 8°C

**P HS Hardener** is the hardener of P-Acyl / C2 HS Clear Coat. It is a non-yellowing, high strength, high solid hardener. It should be used upper 8°C

### e SERIES HARDENERS

#### e-HARDENER 2K HARDENER FAST - e-HARDENER 2K HARDENER STANDARD - e-HARDENER 2K HARDENER SLOW



**e-Hardener 2K Hardener Fast** should be used for repairing parts at low temperatures and for quick operations in small areas. Recommended temperature for use is between 8°C and 18°C. **e-Hardener 2K Hardener Standard** for use at normal temperatures on small medium-sized objects and for partial and spot-repair. Recommended temperature for use is between 18°C and 30°C. **e-Hardener 2K Hardener Slow**, should be used at high temperatures or for painting very large objects. (For example; buses and minibuses) Recommended temperature for use is 30°C or above.

### a SERIES HARDENERS

#### a-HARDENER 2K HARDENER FAST - a-HARDENER 2K HARDENER STANDARD - a-HARDENER 2K HARDENER SLOW



**a-Hardener 2K Hardener Fast** should be used for repairing parts at low temperatures and for quick operations in small areas. Recommended temperature for use is between 8°C and 18°C. **a-Hardener 2K Hardener Standard** should be use at normal temperatures on smallmedium-sized objects and for partial and spotrepair. Recommended temperature for use is between 18°C and 30°C. **a-Hardener 2K Hardener Slow**, should be used at high temperatures or for painting very large objects. (For example; buses and minibuses)Recommended temperature for use is 30°C or above.

## UNIVERSAL ACRYLIC THINNERS

#### P-T 8-18 UNIVERSAL THINNER FAST - P-T 18-25 UNIVERSAL THINNER STANDARD - P-T 25-35 UNIVERSAL THINNER SLOW - P-T 35+ UNIVERSAL THINNER VERY SLOW



Universal Polaron thinners should be used according to the following temperature ranges; **T 8-18 Universal Thinner Fast** for: use in cold weather conditions or partial spot repair. It should be used at between 8-18°C.

**T 18-25 Universal Thinner Standard** for: use in normal weather conditions. It should be used at between 18-25°C.

**T 25-35 Universal Thinner Slow** for: use in hot weather conditions. It should be used at between 25-35°C.

5 | **T 35+ Universal Thinner Very Slow** for: use in very hot weather conditions. It should be used above 35°C.

Do not use in combination with synthetic products.

# OTHER



## P-PLASTIC PRIMER

It is an one-component plastic primer that provides adhesion on plastic parts. When applying on PE and PE-PP mixed plastics, the surface must be passivated by applying heat treatment. It provides excellent adhesion to all other plastic surfaces. Ready to use. Never mixed with any other products.



## P-ANTI SILICONE

P-Anti Silicone is a levelling additive, it should only be used with topcoat paints and clear coats. It is not recommended to be added to primers, it may weaken the adhesion between coats. It helps levelling by lowering the surface tension and prevents pinhole, orange peel, fisheye etc. prevents surface problems such as. The recommended usage range is 0.5-1.5%. It is not recommended to use above these ratios.



## P-ACTIVATOR

P-Activator is an additive that accelerates the drying process of paints, clear coats and primers. This product should be used to accelerate drying in cold weather conditions and minor local repairs. The recommended usage range is 0.1-0.2%. More than the recommended rate should never be used in ovens and hot weather conditions. Excessive use increases the surface tension, matting, capillary perforation, peeling, wrinkling, etc. may cause surface problems such as.



## P- BLENDING AGENT

Polaron Blending Agent is used for blending in P-Acrylic/C1 Metallic Base Coat Colours. It helps to achieve a smooth and homogeneous over spray surface in the fade-out area. It avoids dark shadows around the repairing area. Ready to use.



## P-MATTING AGENT

It is used for matting paints and clear coats. It can be used from 1:4 to 1:1 according to the desired opacity.



## P-1K PLASTIC BUMPER PRIMER

It is a filled, one-component plastic primer that provides adhesion on plastic parts. When applying on PE and PE-PP mixed plastics, the surface must be passivated by applying heat treatment. It provides excellent adhesion to all other plastic surfaces. **Ready to use. It should be mixed very well before use and should never be mixed with any product.** If necessary, it can be thinned with a maximum of 5% T 8-18 Uni Thinner.



## **Polaron Boya Kimya Sanayi ve Ticaret A.Ş.**

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