

## Polycolor Pro 2K Pearl

5085

Water-based 2C single-coat paint with a pearlescent lustre for use on plastics, for industry and trade

### PRODUCT DESCRIPTION

#### General

Water-based, non-yellowing 2C paint system for single-coat application. Stand-out features of this product include very good scratch resistance and very good block resistance and chemical resistance.

#### Special properties and standards



- **ÖNORM EN 71-3**  
Safety of toys; migration of certain elements (free of heavy metals)



- **DIN 53160-1 and DIN 53160-2**  
Perspiration and saliva-proof properties



- **French ordinance DEVL1104875A**  
Marking of construction coating products for their emission of volatile pollutants: A+

#### Application area



Door frames, floor thresholds, profiles and panelling, ventilation grilles, lamps, smoke detectors and cable ducts or decorative elements such as flower pots made of PVC and coatable plastics.

### PROCESSING

#### Processing instructions



- Please stir the product before use. Prevent introduction of air while stirring.
- The temperature of the product and object, and the room temperature must be at least + 15 °C.
- The optimal conditions for use are between 15 - 25 °C with a relative atmospheric humidity between 40 - 80 %.
- For a perfect surface, it is recommended to mist Polycolor Pro 2K Pearl (5085) over the still wet surface at the end.
- Do not close containers with hardened material.
- Sealants must be compatible with the coat and may only be applied once the paint has dried through. Sealing profiles with plasticizers tend to stick together in combination with paints. Please only use those types that have been tested.

- When changing from Polycolor Pro 2K Pearl (5085) to other water-based paint systems, care must be taken to adequately clean the pipes and spray equipment, preferably with warm water.
- Finely structured surfaces can be achieved by adding Aquafix S (8110). At the same time, the high mechanical resistance is further increased. Add up to max. 8 %.
- Any change in the processing sequence, environmental conditions, non-observance of instructions or the use of products not listed may have an unfavourable effect on the result. Deviations lead to film and adhesion problems as well as to impairments with regard to weathering and color stability.

## Blending ratio



100 part(s) by weight or by volume Polycolor Pro 2K Pearl (5085)  
5 part(s) by weight or by volume Aqua-Hardener 8450 (8450000210)

Polycolor Pro 2K Pearl (5085) can only be used with a hardener and in the mixing ratio specified.

Aqua-Hardener 8450 (8450000210) must be carefully worked into the product by stirring before processing.

After addition of hardener, a waiting time of approx. 10 minutes is recommended for improved degassing.

## Pot life

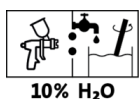


1 hour(s)

A further extension of the pot life is not possible.

Increased temperatures reduce the pot life.

## Application technique



	Airless	Airless air-supported (Airmix®, Aircoat, etc.)	Cup gun
Applying device	-		Druckbecherpistole
Spraying nozzle Ø (mm)	0,28 - 0,33		2,2
Spray nozzle (Ø inch)	0,011 - 0,013		-
Nozzle angle (°)	20 - 40		-
Spraying pressure (bar)	80 - 100		3 - 4
Vaporizer Air (bar)	-	1 - 2	-
Diluent	-		Water
Diluent amount added (%)	-		10
Applied quantity per application (g/m²)	225 - 275		
Wet film (µm)	150		

The shape and surface condition of the workpiece as well as the type of application influence the actual consumption. Accurate values for consumption must be obtained by applying trial coats in advance.

## Drying times

Dust-dry (ISO 1517)	approx. 30 minutes
Tack-free	approx. 5 hour(s)
Dried through	approx. 12 hour(s)

(at 23 °C and 50 % rel. humidity)



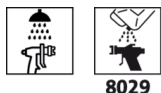
The figures given above are reference values.

The drying time depends on the type of substrate, coat thickness, temperature, air exchange and relative atmospheric humidity.

Lower temperatures and/or high level of atmospheric humidity can increase the drying time.

Avoid direct sunlight!

### Cleaning the working equipment



With water immediately after use.

To remove dried paint residues we recommend using Aqua-Cleaner (8029) (diluted 1:1 with water).

## SUBSTRATE

### Type of substrate

PVC and coatable plastics

### Substrate property

The substrate must be dry, clean, capable of holding the paint, free from separating substances such as grease, wax, silicone, etc. and free from dust, as well as tested for suitability for coating.

### Substrate preparation

#### PVC and coatable plastics:

Pre-treat with Polyactive LUMI (8074) or Polyactive SB (8059) to clean and create the necessary adhesion to the substrate. Recoating must take place within 10 to 60 minutes.

Wipe and polishing cloth (9662) is recommended for application. The cloth should be changed after about 20 linear meters.

Due to the large number of plastic materials, an adhesion test is recommended.

## COATING SYSTEM

### Product application

1 x Polycolor Pro 2K Pearl (5085)

## CLEANING AND MAINTENANCE

### Cleaning and Maintenance

Annual cleaning with Top-Cleaner (7208) and maintenance with Top-Care (7227) in the package with Windoor Care-Set (7229).

Touching up minor flaws with the original material.

## ORDERING INFORMATION

### Size of trading unit

4 kg; 20 kg

### Colour shades / Glosslevels



Colour shades can be obtained using the **ADLER colour mixing system ADLERMix**.

#### Base paint(s):

Polycolor Pro 2K Pearl ca. RAL9006, tönbar (5085064354)

**ATTENTION:** The colours DB 703 – DB 705 can only be achieved in combination with the texture paste Aquafix S (8110).

In order to ensure uniformity of the colour shade, use only material with the same batch number on a given surface.

It is recommended to prepare a trial colour sample on the original substrate using the coating system selected in order to assess the final colour shade.

Please observe our **ARL 800- Working guideline for working (including care and maintenance) with ADLER Mix, PUR Mix and Color4You dosing machines.**

## Supplementary products

Aqua-Cleaner 8029 (8029)  
Aqua-Hardener 8450 (8450000210)  
Aquafix S (8110)  
Polyactive LUMI (8074)  
Polyactive SB (8059)  
Top-Care (7227)  
Top-Cleaner (7208)  
Windoor Care-Set (7229)  
Wipe and polishing cloth (9662)

Please refer to the corresponding technical data sheets of the products.

## FURTHER DETAILS

### Durability / storage



Min. 1 year(s) in the original sealed containers.

Make sure the product is protected against moisture, direct sunlight, frost and high temperatures (above 30 °C).

Close opened containers well and use up the content as soon as possible.

### Technical specifications

VOC content of the ready-to-use mixture: Limit value according to Directive 2004/42/EC for Polycolor Pro 2K Pearl (Cat A/d): 130 g/l.  
Polycolor Pro 2K Pearl contains a maximum of 70 g/l VOC.

### Giscode

BSW30

### Safety information



The product is only suitable for the industrial and professional use.

The inhalation of paint aerosols during spray application must generally be avoided. This is ensured by the proper use of a respirator (combination filter A2/P2).

Further information on the subject of safety during transport, storage and handling as well as disposal can be found in the relevant safety data sheet. The current version can be accessed on the Internet at **[www.adler-lacke.com](http://www.adler-lacke.com)**.