

## ARACO PU-AL

Two-Component, Aliphatic, Elastomeric Polyurethane Resistant to Wear and UV Rays for Walls and Floors.

### Product Description

**ARACO PU-AL** Two-component, aliphatic, elastic coloured polyurethane finish resistant to abrasion and UV rays for walls and floors. **ARACO PU-AL** when cured form an elastomeric strong film with excellent adhesion to different substrates. **ARACO PU-AL** can be applied by a brush, roller or airless spray machine.

**ARACO PU-AL** is based on pure elastomeric hydrophobic polyurethane resin with special inorganic filler that provide the material with excellent weather resistance. It is recommended as a protective finish for surfaces coated with ARACO Epoxy Flooring System, ARACO Wall system and for protecting surfaces for outdoor car parks floors with ARACO Parking System.

### Applications

**ARACO PU-AL** provides wall and floor surfaces with a seamless, hard wearing hygienic and cosmetically attractive finish. It is designed for use in applications, such as:

- Protective, wear-resistant finish for external waterproof systems made using **ARACO Wall System** OR **ARACO Epoxy Flooring System**.
- Coloured finish for bridges and walkways after applying flexible polyurethane waterproofing.

### Surface Preparation

The concrete substrate must be structurally sound, clean, dry and free from all traces of loose material, laitance, oil, grease and any contaminations. Any un-sound material or defective concrete must be re-moved.

Concrete substrates must be prepared mechanically using abrasive blast cleaning or scarifying equipment to remove cement laitance and achieve an open textured surface.

Cracks must be open and filled in addition to all cavities and holes using epoxy filling mortar such as **ARACO EPO Putty** materials.

### Priming

- Prime the surface using **ARACO PRIMER SF** and allow to dry before applying **ARACO PU-AL**
- Ensure that no debonding of the primer occurs and that it's not applied too thick
- If the primer is left to dry for more than maximum time of overcoating please consult ARACO specialised team



**Package:** 20Kg at mixed & fixed weight proportion

### Product Advantages

- Good level of elasticity
- Suitable for walls and floor system
- High resistance to wear and abrasion.
- Excellent resistance to UV rays
- Excellent resistance to atmospheric agents.
- Available in wide range of attractive colours.
- Easy application.
- Excellent resistant to petrol, diesel and brake fluid.
- Water-resistant
- Resistant to wide range of chemicals.

### Mixing

- Mix the two components separately with an electric mixer at low speed.
- Pour component B into the container of component A and mix for several minutes until they are completely blended.
- Only prepare the quantity that can be applied within the pot life (approx. 40 minutes at +25 C)

## Product Application

- **ARACO PU-AL** may be applied in a single coat with a roller or with a straight steel or rubber towel.
- If the finish is applied with a roller, we recommend applying the product with criss-cross strokes and to make sure that it is applied evenly to get a good, attractive finish.
- If the finish is applied with a rubber trowel, consumption will be lower and the surface will be rougher

## Recommendations

- Workability of the product is influenced by the surrounding temperature and the temperature of the substrate.
- Pot-life varies according to the surrounding temperature and reduces as the temperature increases.
- We recommend preparing only the quantity of material that can be applied within the pot life.
- Do not apply **ARACO PU-AL** if the moisture content i the substrate is higher than 4%
- Only apply **ARACO PU-AL** if the temperature of the substrate is at least 3 C higher that the dew-point temperature
- Protect the product from water for at least 24 hours after application.

## Consumption

0.2 - 0.3 kg/m<sup>2</sup>

### Note:

- Consumption depends on the roughness of the substrate, the surrounding temperature and the type of tool used to apply the product.
- The figures indicated are for application on a substrate at a temperature between +10C and +35C
- Lower temperatures increase the consumption rate and hardening time of the product

## Product Data

Composition	Wide range of attractive colors
VOC	350 gm/L
Storage condition	Store in a dry area between 5C and 35C. Protect from direct sunlight
Shelf Life	12 months minimum from production date if stored properly in original unopened packaging.

## Technical Data

Mixed Density	1.45 Kg/m <sup>3</sup>
Solid content	65 ± 5
Dry Film Thickness	175 - 250 microns
Compressive Strength	> 30 N/mm ASTM D624
Tensile strength	>12 N / mm <sup>2</sup> ASTM D412
Elongation	>50 % ASTM D412
Resistance to UV	Pass
Full Cure	5-7 days (Based on atmospheric temperature) 25°C / 50% R.H.
Pot Life	40 minutes @ 25°C
Set to Foot Traffic 48	48 h 25°C / 50% R.H.
Time between coats	18-36 hours maximum 25°C / 50% R.H.

## Safety Instructions

The product may cause skin irritation. Wear gloves and goggles and apply barrier cream to your hands. In contact with eyes or mucous membrane. flush immediately with plenty of warm water and seek medical attention without delay.

## Legal Notes

The information, recommendations, and application are based on ARACO current knowledge and experience of the products when properly stored, handled, and applied under normal conditions. ARACO products are guaranteed against defective materials and manufacture and sold subject to standard conditions. Users should always refer to the most recent technical data sheet for the product concerned, copies of which will be supplied on request.