

High quality polyurethane liquid membrane for waterproofing and protection

Product Description

ARACO PU a high quality, single component polyurethane coating that cures by reacting with the humidity in the atmosphere to form an elastic strong film with excellent adhesion to different substrates. **ARACO PU** can be applied by a brush, roller or airless spray machine.

ARACO PU is based on pure elastomeric hydrophobic polyurethane resin with special inorganic filler that provide the material with excellent weather resistance.

Uses

ARACO PU can be used:

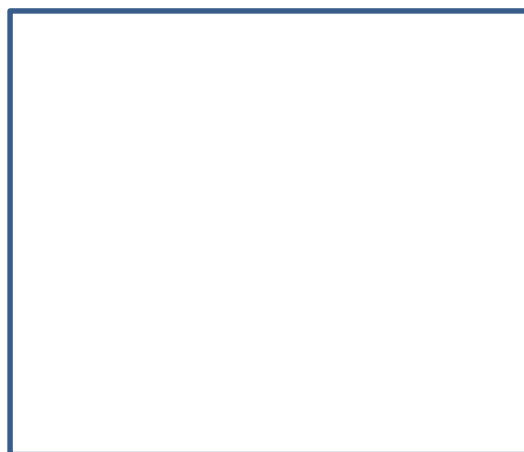
- Roofs
- Bridges platforms
- Irregular channels
- Balconies and bathrooms
- Gypsum and cement boards
- On dry concrete
- Fibrous cement
- Mosaic cement roof tiles
- Old acrylic and asphalt coat
- Wood, corroded metals and galvanic steel.

Advantages

- Excellent adhesion to almost any surfaces(special primer may be required for some substrates)
- Thermal resistanc
- Excellent mechanical properties
- Good tear resistance
- The white color reflects much of the solar energy reducing the internal temperature of the building

Product Data

Colour	White, grey
Specific Gravity	1.35±0.05
Tack free time	4-6hr
Recoat time	6-24h
Flash point	>40 °C
Storage life	Store in a dry shaded area at temperature between 5°C and 35°C.
Shelf life	Original Sealed container has a shelf life of 12 months if stored in the right conditions



ARACO PU

PACKAGE	25 kg
Consumption rate :	
Single coat	0.6-0.8 kg/m ²

Surface Preparation

Substrate should be sound, clear, free from loose material, grease, laitance, dirt curing compound, etc. All holes and deep cracks should be repaired by the means of **ARACO REPAIR SYSTEM**.

Maximum moisture content should not exceed 5%. New concrete structures need to dry for at least 28 days.

DO NOT WASH THE SURFACE WITH WATER

Application

Mix the material using an electric drill with low rotation speed (300rpm) for 2 min.

ARACO PU should be applied by a roller or brush. It is recommended to do at least 2 coats. Do not leave more than 24 hours between coats.

Cleaning

All tools must be cleaned after finishing with a paper towel and then wipe by using a cleaning agent.

TECHNICAL DATA

TECHNICAL DATA	Results	Standard
Tensile strength at break		
Average value	>8 N/mm ²	ASTM D412
Elongation		
At 23 °C	>550%	ASTM D412
At -25°C	>400%	
Cracking bridging		
Value	pass	ASTM C1305
Water Vapor transmission		
Average	18.7g/m ² .day	ASTM E96
Adhesion Concrete		
Average Value	>2.4Mpa	ASTM D4541
Tensile Set		
After 300% elongation	<2.5%	ASTM D412

Safety instructions

Product may cause skin irritation. Wear gloves and goggles and apply barrier cream to 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 - 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 are sold subject to its 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.