

# POLYLIKİT ELAST R-312



## DESCRIPTION



POLYLIKİT ELAST R-312 is an elastomeric resin-based, ready-to-use, one-component, water-based liquid membrane.

surface. While applying the primer, due attention should be paid not to cause ponding, and if there is ponding, it should be spread with a brush.

- Surfaces with excessive absorption and dusting behaviour should be primed with POLYASTAR at least twice until the surface hardens.
- The surface must have been protected from frost.
- In new constructions, concrete surfaces must gain strength for at least 28 days.

## FIELDS OF USAGE



- It is used on all horizontal and vertical absorbent surfaces of buildings such as concrete, precast concrete panel, plaster, brick and wood that are exposed to water and moisture.
- It is used in the waterproofing of terraces, sides of a structure and balconies.
- It is used in wet areas under tiles such as in bathrooms, kitchens and toilets.
- It is used in rain streams. It is used in pools, canals and flumes.
- It is used on all mineral surfaces.
- It is used on metal surfaces such as sheet metal, zinc and galvanize.
- It is not applicable against negative water pressure.
- It is used with reinforcements such as fibreglass and geotextile felts on cracked surfaces or in waterproofing applications that need to resist higher pressure water.

## APPLICATION



- Since it is ready to use, there is no need for any thinning.
- Before use, mix it for a few minutes with a low speed mixer.
- It should be applied with an insulation pump, insulation brush or roller.
- Use a hand brush in delicate areas and corners.
- The second coat should not be applied before the first coat is completely dry. The second coat should be applied perpendicular to the first coat.
- Each coat dries in about 10 to 12 hours, depending on weather conditions.
- It should not be applied in rainy weather and temperatures below +5°C.

## NOTE:

Please note that the concrete quality on surfaces that are constantly exposed to pressure water must comply with TS-EN 206. Please consult the technical service of Marof Yapı for application on different floors.

## CONSUMPTION



- For moisture- and damp-proof surfaces: 2 kg/m<sup>2</sup>
- For surfaces with low water pressure: 3 kg/m<sup>2</sup>
- For surfaces with high water pressure: 4 kg/m<sup>2</sup>
- Recommended usage amount on each coating: 1 kg/m<sup>2</sup>

## PREPARING THE SURFACE FOR APPLICATION



- The application surface must be fully cleaned off dust, rust, dirt and oil, and loose parts should be scraped. Sharp edges should be rounded, areas suitable for cracking such as horizontal-vertical joints should be filled. The surface should be washed with, if possible, high pressure water and dried until it becomes unsaturated with water.
- Cracks and holes larger than 1 mm should be repaired with POLYELAST SCREED 2K.
- In order to ensure good adhesion, surfaces should be primed with POLYASTAR before the application at a consumption amount of 300gr/m<sup>2</sup> at one coat depending on the condition of the

## AFTER APPLICATION



- The applied surfaces should be protected against frost for 2-3 days.
- It should be protected from rain for 2-4 hours.

## SHELF LIFE AND STORAGE



- Shelf life is at least 12 months under proper storage conditions.
- At the time of stocking and dispatch, the first product that arrives should be used before those that arrive at a later time.
- Store in a dry and cool environment (at temperatures above +5 °C), unopened in its original package.
- Do not leave it in the sun. Protect from frost.
- Do not stack more than three buckets on top of each other.

## TOOL CLEANING



- Tools should be washed with plenty of water immediately after use.

## PACKAGING



- 5 kg. plastic bucket
- 15 kg. plastic bucket
- 30 kg. plastic bucket

## QUALITY STANDARDS



TS EN 1504-2 / TS EN 14891 DM

## TECHNICAL SPECIFICATIONS



|                                  |   |
|----------------------------------|---|
| BASE                             | Water-based elastomeric acrylic polymer |
| THINNER                          | Water                                   |
| COLOUR                           | White - Grey                            |
| CONSISTENCY                      | Flowable Viscous                        |
| DENSITY                          | 1,3 gr/cm <sup>3</sup>                  |
| SUITABLE APPLICATION TEMPERATURE | +5°C to +35°C                           |
| SOLID CONTENT RATIO              | 65%                                     |
| DRYING TIME                      | Touching : 2 - 4 hours                  |
| Touching : 2 - 4 hours           | 8 - 10 hours                            |
| Test                             | 8 days                                  |
| BOND STRENGTH                    | > 0.8 N/mm <sup>2</sup>                 |
| Pull-off Resistance              | > 1 N/mm <sup>2</sup>                   |
| DRYING TIME BETWEEN COATS        | min. 10 hours / maks. 24 hours          |

## CAUTION



MAROF YAPI is not responsible for any defects or errors that may arise if the product is used on a surface or for properties other than described above.