



## Roka Floor PU 600

### Three Component, Medium to Heavy Duty Polyurethane Flooring System

Roka Floor PU 600 is a three-component, polyurethane based, water dispersed, self-levelling flooring system with excellent chemical and impact resistance properties.

#### Uses & Advantages:

- Easy application.
- Easy to clean & sterilize.
- Resistant to several organic and inorganic acids, alkalis, amines, salts and solvents.
- High impact resistance.
- High abrasion resistance for heavy vehicular traffic.
- Freeze/thaw resistant.
- Wide service temperature -15°C to 80°C.
- Anti-slip surface.

#### Fields of Application:

Areas with medium to heavy loading, abrasion & high chemical exposure in:

- Pharmaceutical plants.
- Food processing plants.
- Beverage & soft drink production



+92 321 4543320



info@rokachemsolutions.com



rokachemsolutions.com



83 A, Block C, PAF Colony, Zarar  
Shaheed Road, Lahore Cantt, Pakistan



- Dairies.
- Chemical Process areas.
- Waste water treatment plants.
- Power stations.
- Workshops.
- Warehouses.

### Technical Information:

Chemical Base	Polyurethane, Cement & Special Aggregates
Mixed Density	1.9
Coverage	7.6 kg/m <sup>2</sup> at 4mm Thickness
Pot Life	20 minutes at 25°C
Light Traffic	18 hours at 30°C
Full Traffic	24 hours at 30°C
Full Cure	7 days
Tensile Modulus	> 10 MPa
Flexural Strength	~20 MPa
Bond Strength	> cohesive strength of concrete
Shore D Hardness	80-82
Impact Strength	>0.5mm (BRE Screed Tester)
Impact Resistance	<0.5mm



+92 321 4543320



info@rokachemsolutions.com



rokachemsolutions.com



83 A, Block C, PAF Colony, Zarar  
Shaheed Road, Lahore Cantt, Pakistan



Chemical Resistance	Excellent resistance to sugars & acids
Temperature Resistance	-15 °C to 85 °C (6mm)
Thermal Resistance	85°C
Thermal Conductivity	0.85 W/ °C
Water Absorption to CAMPDEN Test	Nil
Slip Resistance	
Dry	100
Wet (Pendulum Slip Test)	35 minimum
Packaging	20 kg kits
Shelf life	12 months if kept in original unopened packing between 25 °C - 30 °C

## Surface Preparation:

Before the application, the surface must be sound, dry, clean and free from any foreign contaminants like oil, grease and laitance etc. The recommended method for surface preparation is short blasting or surface dry grinding 20 to 40 grits. The substrate temperature should be + 10°C to + 25°C at the time of application.

Prior to application Roka Floor PU 600 should be stored under cover in an air-conditioned environment and protected from extremes of temperature which may cause inconsistent workability, finish and cure times for the mixed material.



+92 321 4543320 |



info@rokachemsolutions.com |



rokachemsolutions.com |



83 A, Block C, PAF Colony, Zarar  
Shaheed Road, Lahore Cantt, Pakistan



## Mixing:

Pour the reactor into the base and mix the components thoroughly for a minute using a suitable drill and paddle. Keep the mixer running and slowly add the filler and mix for 2 minutes or until a smooth mixture, free of any lumps has been achieved.

Always keep the mixing time the same for all batches, to ensure a uniform color when the product is applied. Mix only enough material which can be handled within its pot life to avoid material wastage.

## Application:

Apply a scratch coat of Roka Floor PU 600 to the prepared surface. Pour the mixed material onto the surface and spread using a pin screed, notched trowel or steel float to the desired thickness. Use a spiked roller over the surface to release entrapped air and remove trowel marks until all air is released and a uniform color is obtained. Rolling should cease before the Roka Floor PU 600 begins to gel.

**Note: The operator should always wear spiked shoes when using the spiked roller so that he can walk in the wet material.**

## Cleaning:

Clean all the tools and equipment immediately after use with Roka Thinner or Roka Xylene. Hardened material can only be removed mechanically.



+92 321 4543320 |



info@rokachemsolutions.com |



rokachemsolutions.com |



83 A, Block C, PAF Colony, Zarar  
Shaheed Road, Lahore Cantt, Pakistan



## Health and Safety:

Use of protective clothing, safety goggles, gloves and is recommended while handling Roka Floor PU 600. Avoid contact with skin and avoid vapors or mist inhalation. In case of any contact with skin, immediately wash with water. Any splashes in eyes should be cleaned with plenty of clean water and seek medical assistance immediately.

## Important Note:

The information provided in this data sheet is based on ongoing development efforts and extensive field experience. While we strive to ensure the accuracy and reliability of the information, we cannot assume responsibility for any work performed using our materials, as we have no control over application methods, site conditions, and other factors. Due to ongoing research and development in our laboratories, we recommend that customers verify that this data sheet has not been replaced by a more recent publication.

All products are sold under our standard conditions of sale, which are available upon request. Any field services offered do not imply supervisory responsibility. For further information, please contact your local representative of Roka Chem Solutions.



+92 321 4543320



info@rokachemsolutions.com



rokachemsolutions.com



83 A, Block C, PAF Colony, Zarar  
Shaheed Road, Lahore Cantt, Pakistan