

# SUFFIX PU SEAL 35 F

Polyurethane Based, Single Component Joint Filler Material

## REPAIR GROUP

### Description of Product

SUFFIX PU SEAL 35 F is a single-component, polyurethane-based joint filling material. It is blinded by moisture in the air. It adheres perfectly to different surfaces, creating a highly elastic and durable structure. It shows mechanical and chemical properties; Provides high tensile, tear and abrasion resistance. The product contains completely pure elastomeric, hydrophobic polyurethane resin and special inorganic additives. Since it is a single component material, it is easy to apply.

### Areas of Use

It is used for filling horizontal and vertical joints, filling horizontal and vertical joints between building elements, on industrial floors, and in indoor and outdoor spaces open to pedestrian and vehicle traffic.

### Advantages

It adheres perfectly to almost all types of surfaces. It has the ability to spread in different climatic conditions and a wide temperature range, the ability to be shaped with tools, and the determination to preserve its structure. It is resistant to chemicals. It is suitable for the insulation of water tanks and swimming pools treated with chemicals. It adapts to 25% joint movement. It is resistant to microorganisms and fungi. Paint can be applied on it.

#### Physical Properties

Quality (23°C, 50% RH)	Value	Standard & Method
Appearance	Gray	-
Density (gr/cm <sup>3</sup> )	1,2 ± 0,3	EN ISO 2811 - 1

#### Mechanical Properties

Quality (23°C, 50% RH, 7 Days)	Value	Standard & Method
Elongation at Break (%)	> 600	EN ISO 527 ASTM D 412
Breaking Strength (N/mm <sup>2</sup> )	> 2	EN ISO 527 ASTM D 412
Adhesion Strength (N/mm <sup>2</sup> )	> 1,5	EN 1542 ASTM D 4541
Surface Hardness (Shore A)	> 30	EN ISO 868 ASTM D 2240

#### Technical Properties After Application and Cure

Quality (23°C, 50% RH)	Value	Standard & Method
Short Term Maximum Temperature (°C)	200°C	-
Curing Rate (mm/days)	2	-
Touch Dry (hours)	3 - 4	-50% RH at 23°C
Full Curing (days)	7	
Application Surface Temperature	min 10°C - max 40°C	-
Application Ambient Temperature	min 10°C - max 40°C	-

### Selection of Primer

Highly absorbent surfaces such as concrete, cement screed or wood; Primer application can be started after being previously saturated with SUFFIX PRIMER PUR 1K.

## Application Information - Surface Preparation

The surfaces to be applied must be dry and clean. Application temperature should be between 10 - 30°C. It should not be applied on wet, frozen or constantly watery surfaces. The expansion and contraction movement of the application surface should not exceed 25% of the joint width. If necessary during application, easily removable tapes can be adhered to both sides of the joint to obtain a smooth and clean line appearance. These tapes should be removed immediately after application, before product caking occurs.

## Joint Application

After proper joint and surface preparation, place the joint filler rod at the required depth and apply the primer. When applying the polyethylene wick, special care should be taken not to puncture its outer coating. Otherwise, it may cause swelling as the temperature rises. The use of a wick, which serves as a solid and stable support, is important for the correct ratio of width to depth and for proper application of the mastic.

The recommended width is between 10 and 40 mm. The width/depth ratio of the joint should be approximately 2:1.

Theoretical joint lengths that can be made with SUFFIX PU SEAL 35 F (600 ml):

Joint Depth	Joint Width			
	5 mm	10 mm	15 mm	25 mm
5 mm	24 metre	12 metre		
10 mm			4 metre	2,4 meters
15 mm				1,6 meters

## Cleaning After Application

The equipment used during application should be cleaned with a suitable solvent immediately after application.

## Storing and Shelf Life

It can be stored in its unopened original containers, in dry environments between 5°C and 25°C, for 9 months from the date of production. Material in opened buckets should be used immediately

## Packing

600 ml Sausage (20 pieces/box)

## Safety Precautions

SUFFIX PU SEAL 35 F contains isocyanate. Contains volatile and flammable solvents. You should not smoke during application and work in well-ventilated environments, away from naked flames. It should not be forgotten that solvents are heavier than air and therefore will circulate on the ground. During application, work clothes, protective gloves, glasses and masks that comply with occupational and worker health rules should be used. Due to the irritating effects of the unblended product, the components should not be contacted with the skin or eyes. In case of contact, it should be washed with plenty of water and soap. If swallowed, consult a doctor immediately. For detailed information, please refer to the Safety Data Sheet (MSDS) or contact our technical units. Keep out of reach of children.

None of our instructions and technical specifications written herein are binding in general and EXCLUSIVELY in accordance with the protective rights of third parties and do not exempt you from the obligation to carry out the necessary examination to determine the suitability of our products. Our company is not responsible for any damages that may occur as a result of natural damage or due to use and/or product reliability or information and instructions, for whatever reason and to whatever extent.

