

## PRODUCT DATA SHEET

**Pri SUPERFLEX**

**EN 12004 STANDARD R 2T**



### ECO-FRIENDLY, ELASTIC POLYURETHANE ORGANIC MINERAL ADHESIVE FOR HIGHPERFORMANCE AND HIGH-ADHESION FIXING WITH NO VERTICAL SLIP ON DEFORMABLE SURFACES

**Pri SUPERFLEX** develops high elasticity and non-sag effect making it safe to fix water-sensitive ceramic tiles and natural stone even diagonally or from top to bottom on highly deformable and expandable, absorbent and non-absorbent substrates.



### **PRODUCT STRENGTHS**

- Floors and walls, for internal and external use
- Open and adjustability time  $\geq 30$  min.
- Suitable for vitrified tiles, ceramics, large formats, low thickness slabs and natural stone
- Ideal for marble and natural stone that tends to form stains and sag in the presence of humidity
- Ideal for resin-based engineered stones
- Easy and light to spread thanks to the Light Work technology

### **AREAS OF USE INSTRUCTIONS FOR USE**

#### **USE:**

-High-elasticity adhesive for fixing of ceramic tiles, vitrified tiles, marble and natural stone, on floors and walls, on absorbent and non-absorbent, deformable surfaces.

#### **MATERIAL:**

-vitrified tiles, low thickness slabs, ceramic tiles, Clinker, glass and ceramic mosaic, natural stone, marble, granite and recomposed materials also subjected to staining or deformation due to water absorption and thermal expansion

#### **SURFACES:**

- mineral screed
- cement-based screeds
- prefabricated concrete or fresh concrete castings
- cement plasters and cement-lime mortar
- floors and walls in polyurethane resin, glazed tiles, cement-based and resin floor tiles, porcelain tiles
- wood, metals, rubber, PVC, linoleum, glass surfaces

- Internal and external flooring and walls, in domestic, commercial and industrial applications, for street furniture, under floor heating systems, work surfaces in industrial settings or in laboratories, swimming pools, Turkish baths, thermal water baths and fountains, also in areas subject to freezing. Fixing to sheet metal used for prefabricated bathrooms, on worktops and kitchens, balconies, terraces, flat roofs and domes.

#### **DO NOT USE:**

- In contact with polystyrene or on substrates which are not fully cured and subjected to moisture rising

### **INSTRUCTIONS FOR USE**

#### **Preparation of substrates**

Substrates must be compact and consistent, free from dust, oil and grease, free from any rising damp, with no loose, flaky, or imperfectly anchored parts. The surface must be stable, without cracks and have already completed the curing period of hygrometric shrinkage. Uneven areas must be corrected with suitable smoothing and finishing products.

### Preparation

PRi SUPERFLEX is prepared by mixing together parts A and B from the bottom upwards, using a low-rev ( $\approx 400/\text{min.}$ ) helicoidally agitator, respecting the present ratio of 1:3 of the packs. Pour part B into the bucket containing part A, being careful to mix the two parts uniformly until a smooth, even coloured mixture is obtained. The user must mix a quantity of adhesive which can be consumed within 1 hour at  $+23\text{ }^\circ\text{C} / 50\% \text{ R.H.}$  Packs of PRi SUPERFLEX must be stored at a temperature of  $\approx +20\text{ }^\circ\text{C}$  for at least 2/3 days prior to use.

### Application

PRi SUPERFLEX must be applied with a suitable, toothed trowel of the type and dimensions most appropriate for the format and type of tiles used. Using the smooth part of the trowel, apply a fine layer of product, pressing down onto the surface in order to ensure maximum adhesion. Press down each tile to allow for maximum coverage of the surface. In environments subjected to heavy traffic, in external applications and wherever high-elasticity fixing system is required, use the double-spread technique to ensure 100% application of the product to the rear of the tiles.

### Cleaning

Residues of PRi SUPERFLEX can be cleaned from tools and covered surfaces with water and alcohol while the adhesive is still fresh. Once cured, the adhesive can only be removed by mechanical means.

### TECHNICAL DATA COMPLIANT WITH PRiBOND QUALITY STANDARD

Appearance	Part A white paste / Part B white paste
Specific weight	Part A $\approx 750\text{g}$ Part B $\approx 250\text{g}$
Mineralogical nature of inert material	crystalline carbonate
Grading	$\approx 0 - 100\ \mu\text{m}$
Shelf life	$\approx 24$ months in the original packaging
Warning	Protect from frost Avoid direct exposure to sunlight and sources of heat
Pack	monopack 5 kg (750g*5+250g*5)
Mixing ratio	Part A : Part B = 1 : 3
Viscosity of the mixture	$\approx 750000\ \text{mPa} \cdot \text{s}$ , rotor 7 RPM 5 Brookfield method
Temperature range for application	from $+10\text{ }^\circ\text{C}$ to $+30\text{ }^\circ\text{C}$
Pot life	$\geq 30$ min.
Open time	$\geq 30$ min. EN 1346
Adjustability	$\geq 30$ min.
Vertical slip	$\leq 0,5\ \text{mm}$ EN 1308
Foot traffic	$\approx 24$ hrs
Grouting	$\approx 12$ hrs on walls / $\approx 24$ hrs on floors
Interval before normal use	$\approx 3$ days
Coverage *	$\approx 1.5\ \text{kg}/\text{m}^2$ per mm of thickness
Shear adhesion after 7 days	$\geq 4\ \text{N}/\text{mm}^2$
Durability test:	
- shear adhesion after water immersion	$\geq 3,5\ \text{N}/\text{mm}^2$ EN 12003
- shear adhesion after thermal shock	$\geq 3,5\ \text{N}/\text{mm}^2$ EN 12003
Adhesion to concrete after 7 days	$\geq 2.5\ \text{N}/\text{mm}^2$ (concrete yield) EN 1348
Vertical slip	$\leq 0,5\ \text{mm}$ EN 1308
Working temperature	from $-40\text{ }^\circ\text{C}$ to $+70\text{ }^\circ\text{C}$

Values taken at  $+23\text{ }^\circ\text{C}$ , 50% R.H. and no ventilation. Data may vary depending on specific conditions at the building site, i.e. Temperature, ventilation and absorbency level of the surface and of the materials fixed.

(\*) Can vary depending on the irregularity of the surface and the format of the tile.

Manufactured and Marketed By:

SURYA AGENCY  
Ahmedabad, Gujarat  
India.