

## TECHNICAL SHEET 28.05.03-EN



# SIGILL PU Foam Construction 980

## Quick fix insulating foam

### 1. Description, Application

SIGILL PU Foam Construction 980 is a one-component polyurethane foam developed for bonding and sealing insulation panels. It polymerises through environmental and building material moisture.

### 2. Certificates

Certified and tested according to:  
 EOTA TR046 - Test methods for foam adhesives for ETICS.  
 Reaction to fire: class B2 (DIN 4102)

### 3. Technical data

<b>Packaging</b>	800 ml
<b>Color</b>	Lobster
<b>Apperance</b>	Expanding foam
<b>Chemical nature</b>	Polyurethane
<b>Polymerisation</b>	Hygrohardening
<b>Skin-forming time [min]</b> (23°C and 50% RH)	~5
<b>Cutting time [min]</b> (Thickness 2 cm)	~40
<b>Post Expansion [mm] *</b>	1.2

(EOTA TR046)	
<b>Shrinkage [%]</b> (ASTM D2566)	>1
<b>Tensile strength [N/cm<sup>2</sup>]</b> (EOTA TR046)	~0,12
<b>Compressive strength [N/cm<sup>2</sup>]</b> (on masonry)	>2,6
<b>Shear strength [MPa]*</b>	>0.047
<b>Shear strength [MPa]*</b> (on masonry)	>0.43
<b>Thermal conductivity [W/(m<sup>2</sup>K)]</b>	~0,034
<b>Application temperature [°C]</b>	from -5° to +35°C
<b>Temperature resistance [°C]</b> *thickness 8 mm	from -40°C to +90°C

#### 4. Installation Conditions

The temperature of the air and the wall base should be from +5 to 40°C.

#### 5. Areas of Application

It provides fast and strong adhesion to insulation materials such as XPS, EPS, plasterboard, concrete, plaster and most common building materials. In assembly, it lightens the structure combining convenience and speed. Does not adhere to PP, PE, TEFLON and silicones. The hardened foam is sensitive to UV and direct sunlight and must therefore be protected.

#### 6. Features

- High-quality professional polyurethane foam
- Fixing of insulation boards on facades and foundations
- Low expansion
- Reducing the impact of thermal bridges
- High compressive and shear strength
- Fixing of interior design boards
- Gluing of construction blocks
- Paintable

#### 7. Instruction for Use

Shake well before use. Surfaces should be well cleaned and degreased; for optimum yield, work at around 20°C. Must be used with a spray gun: screw the canister into the threaded housing; adjust the extrusion by means of the adjusting screw. Apply the foam by holding the cylinder upside down. For gluing panels. Apply foam adhesive to panels evenly, parallel to the sides of the panel (3-4 cm from the edge) and a strip in the centre, parallel to the longest side (up to 25 cm as distance between the adhesive strips). Wait approx. 2 minutes before installing and align the panels within 5 minutes. Any major surface irregularities must be removed with cement mortar before installation. Installation coverage: approx. 10 m<sup>2</sup>.

For installation:

Foam can be used for non-load-bearing interior walls. The first row of blocks must be well levelled with mortar. We recommend moistening the surface, this guarantees better results. Apply on surfaces both vertical and horizontal surfaces. Wait a few minutes after applying the foam, then press the stone surfaces together. The product may only be used if an even distribution of loads from block to block.

## 8. Cleaning of Equipment and Personal Protective Measures

Caution do not touch the foam with your hands: unhardened foam can be cleaned with PU Foam Dissolver. If hardened, it can only be removed mechanically.  
Avoid skin contact by using latex, rubber or polyethylene gloves.

## 9. Storage, Transportation Conditions and Shelf Life

SIGILL PU Foam Construction 980 can be stored for 18 months in its original packaging (unopened container) between 10°C and 25°C in a cool, dry place. Keep away from sources of humidity, direct sunlight and heat sources.

## 10. Other Information

Technical instructions are given based on our experiences and are given as a guideline for achieving optimal results. We cannot take any responsibility for the damage, caused by incorrect selection of a product, incorrect use or unprofessional work. JUB also bears no responsibility in cases where the substrate for the application of our products is prepared inadequately or with materials of inadequate quality from other manufacturers. In the case of applying our products to existing substrates of old coatings or pre-prepared substrates with materials from other manufacturers, it is obligatory to make appropriate test fields with all the intended applications of JUB products, in accordance with the technical instructions, before starting the work.

Safety measures: Follow the instructions on the safety data sheet of the product.

This technical sheet supplements and replaces all preceding editions. We reserve the right to change and supplement data in the future.

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