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ST\_2405\_RESIFLEX145\_EN\_00  
Rev.0 – 01/07/2013

# RESIFLEX 145

## ELASTIC MONO-COMPONENT POLYURETHANE SEALING AGENT

Solvent, plasticizer and reactive thinner-free grey mono-component polyurethane elastometric sealing agent based on duly elasticized adhesive resins. UV resistant.

### Areas of use

- Expansion joints in concrete industrial flooring;
- Joints in industrial floorings in the chemical and food sector;
- Joints between prefab walls, connecting joints between passing pipes and bricks;
- Union of brick or concrete buffed panels, etc.
- Sealing of cracks and active fixtures in concrete, stone and bricks;

### Features

RESIFLEX 145 is a mono-component polyurethane sealing agent that reacts to humidity in the atmosphere. Low elastic modulus and excellent adhesive power to concrete make it ideal as elastomer; if applied on healthy, dry and clean supports, when it reaches full hardening it displays the following features:

- Perfect waterproofing and good resistance to continuous contact with water;
- Good resistance to diluted acids and alkali;
- Good resistance to oils, petrol, gas oil and fuels in general;
- Good resistance to ageing, weathering and UV rays: the product does not become frail and preserves its elasticity for a long time.

### How to use

#### Preparation of the support

The surface to be treated must be clean, dry, compact and dust and crumbly part-free. Concrete must be fully cured (28 days). In case of surfaces with little cohesion (pulverized), apply RESICOL 106, high penetration epoxy primer.

The joint must be cleaned with compressed air and a pipe cleaner; do not use water because the product does not adhere to wet surfaces.

Once the crack or cut have been cleaned, insert a stringcourse of expanded polyurethane wider than the width of the joint, 3 – 4mm deep under the surface. Protect edges with sellotape.

#### Product preparation and application

The product is ready to use: insert the bag in the special gun, open the end before screwing the closing ring and slowly extrude. Smoothen the extruded material by pressing it evenly both against the ends and the middle of the joint.

The product can be applied with temperatures from +5 to +40 °C.

## Notes

The bag of RESIFLEX 145 once opened must be used within 30-45 minutes. In case of partial use of the package, close the package with some sellotape; when you want to use it again, cut 2-3 cm of the bag with a cutter removing the already vulcanized part of the product.

## Technical characteristics

Elastic modulus at 100%	ISO 8339	0.25 N/mm <sup>2</sup>
Ultimate elongation	ISO 8339	250%
Shore A hardness	DIN 53505	20
Resistance to casting at 23 °C	ISO 7390	≤ 3 mm
Vulcanization depth (25 °C – 50% r.h.)		2 mm/24 hour s
Specific weight		1.30 kg/dm <sup>3</sup>

## Use and hardening times

When the product is exposed to air, the hardening reaction starts. Its speed is of 2 mm thickness per day at 25°C: when temperature drops, the speed of the reaction decreases, too.

Dry when touched (25°C - 50% R.H.): 12 hours

The product develops its own functional resistance approx. 48 hours from application.

## Consumption

The product does not change in volume during hardening reaction: to fill in a joint it is necessary to estimate its volume and refer to its specific weight. With a package you may seal 1 m of joint 2 cm deep and 1 cm wide.

## Packages and storage

Available in grey and black 600 ml packages.

The product remains unaltered for at least six months if sealed in its original containers and kept in a place away from damp with a temperature between 5 and 25 °C.

## Cleaning of tools and health precautions

To clean tools use solvents such as RESISOLV 111 or acetone.

The product contains isocyanides which may cause irritations: please avoid any contact with the skin and especially with the eyes and ensure proper ventilation during use.

Wear gloves, protective suit, goggles or protective visor.

In case of contact with the skin, immediately clean with a cloth soaked in denatured alcohol and wash with water or neutral soap or handwash paste. Then use a nourishing cream.

In case of contact with eyes or mucosa, do not use alcohol. Rinse immediately with running water and neutral soap for 10/15 minutes, then seek medical advice.

## Do not rinse with solvents.

*The information supplied in this sheet is the result of the best practical and laboratory experiences of RESIMIX, which guarantees its products when used according to the instructions supplied. It is nonetheless up to the customer to ensure the product is suitable for the intended use. The manufacturer declines any responsibility for incorrect use or uses beyond his control. RESIMIX reserves the right to make changes to the data. For any request, please contact the RESIMIX Technical Assistance Office.*