

## PRODUCT DATA SHEET

# DUROSEAL Quellpaste Type E

### SikaSwell Swelling Paste Type E

#### PRODUCT DESCRIPTION

SikaSwell Swelling Paste Type E is a 1-componentic Polyurethan-based Swelling Paste, wich is free of solvent.

#### USES

- Sealing of construction joints in concrete constructions
- Sealing of all types of penetrations through concrete
- Sealing of details and material transitions to concrete structures

#### CHARACTERISTICS / ADVANTAGES

- Easy and quick to install, also on rough substrates
- Can be applied on different substrates
- Swelling approx. 350 Vol.-%
- Good flexibility of hardened paste

#### PRODUCT INFORMATION

|                           |  |
|---------------------------|--|
| <b>Chemical Base</b>      | PU Polyurethan (moisture curing)   |
| <b>Packaging</b>          | cartridge of 310 ml (12 cartridges per Carton)   |
| <b>Appearance / Color</b> | white  |
| <b>Shelf Life</b>         | 12 months from date of production  |
| <b>Storage Conditions</b> | Stored in unopened, undamaged and sealed original packaging in dry conditions at temperatures between +40°F and +80°F. Protect from direct sunlight, rain, ice and heat. |
| <b>Density</b>            | ~ 1,45 g/ml  |

#### TECHNICAL INFORMATION

|                         |              |           |
|-------------------------|--------------|-----------|
| <b>Tensile Strength</b> | ~ 2,0 MPa    | DIN 53504 |
| <b>Elongation</b>       | ~ 500 %      | DIN 53504 |
| <b>Swelling</b>         | ~ 350 Vol.-% |           |

## APPLICATION INFORMATION

|                                |  |
|--------------------------------|--|
| <b>Coverage</b>                | by 310 ml cartridge:<br>Ø 6 mm ~ 8–10 m<br>Ø 8 mm ~ 4–5 m<br>Ø 10 mm ~ 3 m |
| <b>Skin Time</b>               | ~ 12 hours (+ 20 °C / 60 % r. F.)  |
| <b>Ambient Air Temperature</b> | min. + 40 °F for the time of application and hardening                     |
| <b>Substrate Temperature</b>   | min. + 40 °F for the time of application and hardening                     |

## APPLICATION INSTRUCTIONS

### SUBSTRATE QUALITY

The substrate must be clean, free from any loose particles and any separating agents (e.g. form oils, fats, dust) and dry or max mat damp.

### APPLICATION METHOD / TOOLS

SikaSwell Swelling Paste Type E can be applied by hand, pneumatic pressure, or a caulk gun. The Paste must be applied in a continuous line without interruptions.

SikaSwell Swelling Paste Type E is a moisture curing paste. It is important that a full and continuous contact between the SikaSwell Swelling Paste Type E and the substrate is achieved. During concreting, compact well around the swelling paste to achieve a dense concrete without and honeycombs or voids.

SikaSwell Swelling Paste Type E is intended for use in construction joints - expansion joint are not possible. A minimum of 3 in. of concrete cover is needed to prevent concrete spalling from the swelling pressure.

SikaSwell Swelling Paste Type E should be protected by suitable measures from early swelling (e.g. from rain) between installation and placing of concrete, especially on horizontal surfaces where standing water could occur.

### BASIS OF PRODUCT DATA

Results may differ based upon statistical variations depending upon mixing methods and equipment, temperature, application methods, test methods, actual site conditions and curing conditions.

## OTHER RESTRICTIONS

See Legal Disclaimer.

## ENVIRONMENTAL, HEALTH AND SAFETY

For further information and advice regarding transportation, handling, storage and disposal of chemical products, user should refer to the actual Safety Data Sheets containing physical, environmental, toxicological and other safety related data. User must read the current actual Safety Data Sheets before using any products. In case of an emergency, call CHEMTREC at 1-800-424-9300, International 703-527-3887.

## LEGAL DISCLAIMER

- KEEP CONTAINER TIGHTLY CLOSED
- KEEP OUT OF REACH OF CHILDREN
- NOT FOR INTERNAL CONSUMPTION
- FOR INDUSTRIAL USE ONLY
- FOR PROFESSIONAL USE ONLY

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SIKA warrants this product for one year from date of installation to be free from manufacturing defects and to meet the technical properties on the current Product Data Sheet if used as directed within the product's shelf life. User determines suitability of product for intended use and assumes all risks. User's and/or buyer's sole remedy shall be limited to the purchase price or replacement of this product exclusive of any labor costs. **NO OTHER WARRANTIES EXPRESS OR IMPLIED SHALL APPLY INCLUDING ANY WARRANTY OF**

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