# 3351 Durex

Technical Data Sheet

## Impregnation Waterproofing and Surface Protection Material


3351 Durex

### Description

Silicone based concentrated impregnation and surface protection material, providing water impermeability without decreasing the water vapor permeability of the surface applied on and without giving any color or sheet to it.

### Fields of Application

- Impregnation of porous mineral surfaces such as concrete, lime-sand stone and brick where waterproofing is required.
- Protecting concrete surfaces against abrasion caused by water, salt, chlorine and alkali.
- Impregnation of surfaces coated with any kind of paint or plasters having relatively low water resistance.
- Priming of surface before application of the paints and plasters.

### Properties

- Penetrates into the substrate deeply.
- Protects concrete against water and chlorine absorption.
- Reduces concrete loss caused by de-icing salt attacks.
- High alkali resistance.
- Does not change the color and the gloss of the surface.
- Does not prevent the water vapor permeability of the surface applied on.
- Easy to apply with a brush, roller or spray gun.
- Extremely durable; not affected by severe weather conditions like UV, rain and freezing.

### Preparation of Substrates

- The substrates should be dry, clean and solid.
- The surfaces to be applied should be free of adhesion preventive foreign substances such as dust, dirt, mould oil, paint etc.
- The sub-surfaces that are not strong enough to carry themselves e.g. cracked plasters, weak surfaces, or residues of moss should be cleaned from the application surface.

### Application

- Dilute with water at a ratio of 1/14 to use as a primer, at a ratio of 1/9 to use as a general purpose impregnation material and at a ratio of 1/3 to use for effective concrete protection. Durex should be added to water and mixed.
- Use diluted product on the day of dilution, i.e: only the amount of product to be used on the same day should be diluted.
- Apply 2 - 3 generous, wet-on-wet coats with a brush, roller or spray gun after diluting. Small building elements can be impregnated by immersion technique.
- If used for concrete protection, at least 2 coats should be applied to ensure that the surface is completely covered.
- The second layer should be applied while the surface is still wet, without leaving any waiting time between coats.

### Post-Application Protection & Suggestions

- It should not be applied under the sun and at temperatures below 0°C.
- The product should be used within pot life. Products with expired pot life must not be used.
- Keep packaging closed when the application is interrupted. The product should be protected from freezing.
- It should not be applied at very high temperatures, under direct sunlight, in extremely windy, foggy, rainy, frost-risk weather conditions. Low temperature and high relative humidity can extend the drying time.
- It should not be applied in rainy weather and the applied surface should be protected from rain within 24 hours.
- Surface and ambient temperature should be between + 5°C and + 35°C during application.
- If a coating material is to be applied on the product, apply the top coat on the following day of Durex application.
- For exterior use only, not suitable for use on the ground.
- Application tools should be washed with soapy water.
- For further information refer to the safety data sheet.

info@kalekim.com

Revision Date: <REV_TARIHI>

Revision No.: <REV_NO>

Kalekim

# 3351 Durex

Technical Data Sheet

## Impregnation Waterproofing and Surface Protection Material


3351 Durex

### Storage

- Should be kept dry and cool at between +5°C and +35°C in damp free conditions avoiding direct sunlight.
- Should be protected from water, frost and adverse weather conditions.
- Maximum 3 drums should be stacked on top of each other.
- Shelf life is maximum 12 months conditional to complying with the above-mentioned storage conditions.

### Packaging

- 1 lt plastic drum.

### Quality Certificates

CE

EN 1504-2 Class MC, IR-H

### Technical Properties

(at 23°C and 50% RH)

### General Data

| | |
|---|---|
| Appearance | Yellow - Orange transparent liquid |
| Shelf Life | 12 months when stored in the original unopened packaging. |

### Application Data

| | |
|---|---|
| Application Temperature Range | (+0°C) – (+35°C) |
| Consumption | Approximately 20 - 50 g/m² (Depending on the porosity of the substrate) |
| Minimum Drying Time | 45 - 60 minutes |
| Penetration | Very good |

### Performance Data

| | |
|---|---|
| Density | 1.0 gr/cm$^3$ |
| Water Absorption | < 0.020 kg./m² $h^{1/2}$ |
| Drying Rate Coefficient (EN 13579) | 30% (Class I) |
| Penetration Depth | < 10mm. (Class I) |
| Water Absorption and Resistance to Alkali (EN 13580) | Water Absorption <7.5%, Absorption ratio after exposure to alkali <10% |
| Dangerous Substances | See SDS. |

info@kalekim.com

Revision Date: <REV_TARIHI>

Revision No.: <REV_NO>