



## ■ Z-Shield – Transparent Nano-Protection for Asphalt Shingles

SKU	Z-811-00
Category	Transparent waterproofing treatment (polysiloxane / fluoropolymer)
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### DESCRIPTION

Z-Shield is a transparent waterproofing coating based on nanopolymers (polysiloxane/fluoropolymer), designed to protect and extend the lifespan of asphalt shingles. It creates an invisible barrier against water, UV rays and dirt, while allowing the substrate to breathe. Its formula reduces water absorption and prevents premature roof degradation.

### RECOMMENDED USES

- Long-lasting protection for asphalt shingles.
- Suitable for porous surfaces exposed to weather.
- Preserves the original look while enhancing durability.

### SURFACE PREPARATION

- Surface must be clean, dry, and free of contaminants.
- Cleaning must be done with **Z-Cleaner** to maintain warranty validity.

- Wait at least 30 days before applying on new roofs.

## APPLICATION METHOD

- Stir well before use.
- Apply between 10 °C and 30 °C (50 °F – 86 °F).
- Application methods: brush, roller or airless sprayer.
- Apply evenly from top to bottom until saturation.
- Ensure adequate ventilation if used in enclosed areas.

## TOOL CLEANUP

Clean immediately with clear water after use.

## DILUTION

Ready-to-use. May be diluted with up to 5% water for spray application if necessary.

## STORAGE

Store between 5 °C and 30 °C (41 °F – 86 °F). Protect from freezing. Keep in a cool, dry place.

## SAFETY INFORMATION

- Flash point: None.
  - Lead-free / Mercury-free.
  - Wear protective gloves, goggles and clothing.
  - Avoid inhalation during application.
  - Keep out of reach of children.
- In case of contact or ingestion: seek immediate medical attention.

## PHYSICAL PROPERTIES

Appearance: Clear liquid (transparent when dry)

Odor: Low

pH: 8.0 – 8.5

Viscosity: 16 ± 2 Z #2

Density: 1.01 ± 0.05

Solvents: Water, Glycol Ether

Solids by weight: 30 ± 1 %

Solids by volume: 28 ± 1 %

VOC: ≤ 131 g/L

## **APPLICATION SPECIFICATIONS**

Wet film thickness: 3.5 – 5.0 mils

Dry film thickness: 1.0 – 1.5 mils (25–37 µm)

Theoretical coverage: 300 sq.ft/gal (7.3 m<sup>2</sup>/L)

Actual coverage: 255 sq.ft/gal (6.3 m<sup>2</sup>/L)

## **DRYING TIME**

Touch dry: 1 hour

Fully cured: 16 hours (at 20–25 °C / 68–77 °F, RH 50%)

## **SHELF LIFE**

12 months in original sealed container, if stored properly.

## **AVAILABLE PACKAGING**

18.9 L (5 US gal).

## **RECOMMENDED EQUIPMENT**

Brush: high-quality nylon/polyester

Roller: synthetic cover 15–20 mm

Airless sprayer: 2200–2400 psi, tip size 0.015 – 0.019, 60 mesh filter

## **WARRANTY**

Manufacturer's liability is limited to replacement of defective product only. No other warranty, express or implied, is applicable.