

## **Application Guide for Infinity Effects ArmourGuard V2 Build-Up on Roof Tiles**

Type: Water-Based System

Warranty:  Yes – Warrantied when installed by an Infinity Certified Installer

Purpose: Designed for concrete, clay, slate, fibre-cement, and composite roof tiles requiring a durable, weather-resistant, colour-stable surface treatment. Suitable for pitched roofs, flat roofs, and architectural roofing elements.

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### **Materials You'll Need**

- Broom or blower
  - Power washer or hose with high-pressure nozzle
  - Roof tile cleaner
  - Stiff bristle brush or scrubber
  - Safety goggles and gloves
  - Fine-grit sandpaper (optional for stubborn contamination)
  - Plastic sheeting or drop cloths
  - ArmourGuard V2 Pigmentable
  - Appropriate mixing tools
  - Roller, brush, or HVLP spray machine
  - Safety harness and ladder (for sloped roofs)
  - Clean water and lint-free cloths
  - Deionized water
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### **Additional Material You Can Use**

- Power washer
  - Spray shield
  - Spray tent / booth
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### **Step-by-Step Guide**

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#### **Step 1. Safety First**

Roof applications require strict safety measures.

Wear:

- Safety goggles
- Protective gloves



- Non-slip footwear
- Respirator if spraying
- Weather-appropriate work clothing

If working on a sloped roof:

- Use a certified safety harness
- Secure the ladder
- Ensure dry weather and good footing

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### **Step 2. Clear the Roof**

Remove loose debris using a blower or broom:

- Leaves
- Moss
- Lichen
- Loose dirt
- Twigs
- Bird residue

Ensure tile joints, ridges, and valleys are free from blockage.

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### **Step 3. Power Wash the Roof**

Use a power washer or high-pressure hose to deep clean the tiles.

Start at the highest point and work downward to prevent water tracking under the tiles.

Remove:

- Embedded dirt
- Moss and algae roots
- Flaking paint
- Surface contaminants
- Loose mineral deposits

Allow water to run off naturally.

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### **Step 4. Clean with Roof Tile Detergent**

For stains, mould, or heavy organic build-up:



- Mix tile cleaner with water as instructed
- Apply solution across affected areas
- Agitate using a stiff bristle brush
- Rinse thoroughly afterward

Do NOT leave detergent residue — it interferes with coating adhesion.

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### **Step 5. Inspect & Repair Tiles**

Check for:

- Cracks
- Chipped tiles
- Loose tiles
- Missing ridge pieces
- Failing mortar

Repair using appropriate roof tile filler, mortar, or replacement tiles.  
Allow repaired areas to dry fully.

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### **Step 6. Allow Roof to Dry Completely**

Before applying any coating, the roof **MUST** be fully dry.

Moisture trapped under ArmourGuard V2 can cause:

- Whitening
- Blistering
- Adhesion failure

Verify dryness in shaded and overlapping areas.

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### **Step 7. Protect Surrounding Areas**

Cover surrounding items with sheeting:

- Gutters
- Fascia boards
- Windows
- Rendered walls
- Pathways and landscaping
- Solar panels (if present)

Use a spray shield if applying ArmourGuard V2 via spray.



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### Step 8. Inspect the Surface

Before applying ArmourGuard V2, check for:

- Remaining dirt
- Residual moisture
- Streaks or detergent residue
- Loose tile repairs
- Areas requiring further cleaning

Correct all issues before moving forward.

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### Step 9. Mix ArmourGuard V2 Pigmentable

Blend gently until:

- Consistent colour
- Uniform texture
- Smooth flow
- No aeration

Avoid over-mixing.

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### Step 10. Apply ArmourGuard V2 Pigmentable

#### ArmourGuard V2 – Spray Settings

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#### ARMOURGUARD V2 PIGMENTABLE SPRAY SETTINGS

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- Pressure: 3–4 Bar
  - Nozzle Size: 1.8mm–2.5mm
  - Additives: None unless specified
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Apply via roller, brush, or sprayer.

Ensure:

- Even coverage
- No missed tile edges
- No puddling in grooves
- Uniform colour across ridges and valleys

Start at the highest point of the roof and work outward and downward.

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### **Step 11. Apply Additional Coats (Optional)**

Apply more coats if required for:

- Higher opacity
- Increased weather protection
- Enhanced longevity

Allow each layer to completely dry before applying the next.

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### **Step 12. Allow Proper Curing**

Let the coating cure fully before exposing the roof to:

- Rain
- Frost
- Bird activity
- Foot traffic

Curing time varies by temperature and humidity.

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### **Step 13. Final Inspection**

Inspect the roof carefully once fully dry.

Check for:

- Missed areas
- Thin coverage
- Pooling or sagging on steep pitches
- Colour uniformity

Perform touch-ups where needed.

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### **Important Tips**

- Apply ArmourGuard V2 only in dry, calm weather.
- Never coat damp tiles — this causes long-term adhesion issues.
- Maintain consistent spray distance for uniformity.
- Remove moss and algae roots thoroughly before coating.



- Avoid working in high winds, which cause overspray.
  - Always use safety harnesses on pitched roofs.
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### **Problems & How to Avoid Them**

#### **Poor adhesion:**

Caused by moisture, moss residue, or dust.

→ Ensure complete cleaning and drying.

#### **Uneven colour:**

Caused by inconsistent spray application.

→ Maintain even overlaps.

#### **Streaking:**

Often from un-rinsed detergent.

→ Rinse thoroughly in Step 4.

#### **Peeling:**

Usually from failed repairs or loose tiles.

→ Repair tiles before coating.

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### **DISCLAIMER**

All instructions must be followed carefully to ensure correct performance.

Information is based on testing and field data but cannot account for all roof conditions.

Infinity Effects is not responsible for misuse, incorrect preparation, or substrate defects.

Always test a small area before full installation.

Colour variations may occur between production batches.

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## INFINITY ROOF TILE SYSTEM (SPRAYED)

SYSTEM 1  
(WARRANTY)  
ARMOURGUARD

(WATER-BASED SYSTEM)

