

Application Guide for Infinity Effects ArmourGuard V2 Build-Up on UPVC

Type: Water-Based System

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

Purpose: Designed for residential, commercial, and hospitality PVC requiring durability, hygiene, stain resistance, and modern design. Suitable for windows, doors and other smooth, non-porous horizontal or vertical surfaces.

Materials You'll Need

- Clean, lint-free cloths or rags
 - Cleaner
 - Water
 - Degreaser
 - Fine-grit sandpaper (220–400 grit)
 - Safety goggles and gloves
 - Fusion Pre-Primer / Degreaser V2 (if required)
 - ArmourGuard V2 Pigmentable
 - Dust mask or respirator (if required)
 - Clean water or damp cloth
 - Dry towel or microfiber cloth
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Additional Material You Can Use

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

Step 1. Safety First

Wear appropriate PPE before beginning:

- Safety goggles
- Protective gloves
- Dust mask/respirator if sanding
- Ensure workspace ventilation is adequate



Protect surrounding areas if working indoors.

Step 2. Remove Loose Debris

Use a soft brush or lint-free cloth to remove dust, dirt, and loose particles from the UPVC.

Clean out grooves, edges, and textured profiles thoroughly.

Step 3. Clean the Surface

Wash the UPVC using cleaner mixed with water as recommended.

Remove:

- Oils and fingerprints
- Environmental grime
- Grease
- Stubborn contaminants

Work methodically to ensure full coverage.

Step 4. Rinse Thoroughly

Rinse with clean water to remove all soap, degreaser, or cleaner residue.

Residual detergents can interfere with Fusion Promotor bonding.

Wipe excess water away with a clean cloth.

Step 5. Dry the Surface

Dry the full area with a lint-free cloth or microfiber towel.

Surface **must be completely dry** before sanding or pre-priming.

Step 6. Abrade the Surface (Optional)

Lightly sand all areas using **220–400 grit** paper.

Purpose:

- Create a mechanical key



- Improve long-term adhesion
- Remove minor gloss

Avoid over-sanding UPVC to prevent surface damage.

Step 7. Clean Up Sanding Residue

Remove sanding dust with a damp cloth, then wipe again with a dry towel.

Any residue can interfere with adhesion layers.

Step 8. Tape & Protect UPVC Windows, Doors, and Surrounds

Before applying Fusion Promotor or coatings, **mask off all surrounding elements**, including:

- UPVC window frames
- Door frames
- Hinges and hardware
- Rubber seals and gaskets
- Drainage channels
- Glass panels
- Adjacent cladding or trims

Use high-quality painter's tape to achieve clean edges.
Press tape firmly into corners to prevent bleed-through.

Cover large areas with plastic sheeting or drop cloths.

Step 9. Apply Fusion Pre-Primer / Degreaser V2 (Optional but Recommended)

Apply Fusion Pre-Primer / Degreaser V2 Spray Settings

Apply a fine mist across the surface, then immediately wipe it evenly with a clean cloth.

Allow to fully dry.

This creates a bonding layer for UPVC.

Step 10. Inspect the Surface

Check for:

- Missed areas



- Contamination
- Streaks
- Imperfections requiring touch-up

Correct before proceeding.

Step 11. Mix ArmourGuard Pigmentable V2

Mix gently until:

- Pigments fully disperse
- Smooth consistency achieved
- No aeration or bubbles

Do not over-mix.

Step 12. Apply ArmourGuard Pigmentable V2

ArmourGuard Pigmentable – Spray Settings

===== ARMOURGUARD PIGMENTABLE V2 SPRAY SETTINGS =====

- Pressure: 3-4 Bar
- Nozzle Size: 1.4mm–1.8mm
- Additives: None unless specified

Apply using roller, brush, or spray.

Ensure:

- Even coverage
- No roller lines
- No dry edges
- Complete opacity

Work in overlapping passes from top to bottom.

Step 13. Apply Additional Coats (Optional)

If increased opacity or thickness is needed, apply additional coats.



Allow each coat to fully dry before applying the next.

Step 14. Allow Proper Curing

Let ArmourGuard Pigmentable cure completely.

Avoid touching or exposing to moisture until fully cured.

Step 15. Final Inspection

Once fully dry, inspect the surface under strong lighting.

Check for:

- Missed spots
- Inconsistent sheen
- Imperfections
- Tape edge clean-lines

Perform touch-ups as needed.

Important Tips

- Always mask glass and seals to avoid contamination.
 - Maintain correct spray distance for uniformity.
 - Avoid moisture until all layers are cured.
 - Apply in temperatures between 10–25°C.
 - Do not use silicone-containing cleaners.
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Problems & How to Avoid Them

Poor adhesion:

Usually caused by skipping sanding or not applying degreaser, adhesion promotor.

→ Always clean, sand (optional), wipe, and apply Promotor.

Uneven finish:

Due to inconsistent spray movement.

→ Maintain constant speed and overlap.



Whitening / hazing:

Caused by overcoating early.

→ Increase drying time.

Peeling:

Often due to contamination from oils or remaining detergent.

→ Thoroughly rinse and dry during prep.

DISCLAIMER

All instructions must be followed carefully to ensure correct performance.

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

Infinity Effects is not responsible for misuse, improper application, or substrate defects.

Always test a small area for compatibility before full installation.

Colour variations may occur between production batches.



