

Application Guide for Infinity Effects ArmourGuard V2 Kitchen Door & Carcass Respray

Type: Water-Based Hybrid Performance Coating

Warranty:  Valid only when installed by an Infinity Certified Installer

Purpose:

Designed for full refinishing of residential and commercial kitchen doors, drawers, end panels, plinths, trims, and carcasses. ArmourGuard V2 provides exceptional adhesion, durability, stain resistance, and a factory-grade finish on MDF, melamine, vinyl-wrapped doors, lacquered surfaces, and previously painted cabinetry.

Materials You'll Need

- Clean lint-free cloths
 - Degreaser or cleaning detergent
 - Warm water
 - Fine-grit sandpaper (220–400 grit)
 - Medium-grit sandpaper (120–180 grit for MDF repairs)
 - Scotchbrite pads (red/grey)
 - Painter's tape
 - Plastic sheeting or masking paper
 - Screwdriver or drill for hardware removal
 - Numbered stickers or bagging system
 - Tack cloth
 - Spectra-Prime Blocking Primer
 - ArmourGuard V2 Pigmentable
 - MDF filler or 2-part filler
 - Heat gun (for vinyl wrap removal)
 - Dust mask or respirator
 - Safety goggles & gloves
 - HVLP spray gun or turbine
 - Microfiber drying towel
 - Sanding block or extraction sander
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Additional Equipment You Can Use

- Spray booth or temporary spray tent
- Extraction fan
- Drying racks
- Infrared curing lamp



- Heat-proof gloves
 - Door turntable or hanging rack
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Step-by-Step Application Guide

Step 1. Safety First

Wear essential PPE:

- Safety goggles
- Nitrile gloves
- Dust mask / respirator when sanding or spraying
- Ensure workspace has proper ventilation

Protect all surrounding areas if spraying carcasses in place.

Step 2. Remove Kitchen Doors, Drawers & Hardware

Remove and organise:

- Doors
- Drawer fronts
- Plinths
- End panels
- Cornice/pelmet (if needed)

Remove all hardware:

- Handles
- Hinges
- Shelf pins

Organisation System

- Number each door (top edge)
 - Label each carcass unit to match
 - Bag screws and hinges labelled by position
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Step 3. Clean All Surfaces Thoroughly

Use warm water and degreaser.

Remove:

- Cooking grease



- Hand oils
- Residue around handles
- Grease build-up above ovens/hobs

Rinse with clean water.

Step 4. Rinse Thoroughly

Rinse using clean warm water.
Ensure **all cleaner residue** is removed.

Dry with a lint-free microfiber towel.

Step 5. Dry All Parts Completely

Air dry or force dry.
All moisture must be removed before sanding or repairs.

Step 6. For Vinyl-Wrapped Doors — Check for Failure

Identify vinyl issues:

- Lifting corners
- Bubbling
- Heat damage
- Cracked or brittle wrap

If vinyl is lifting → **remove it.**

If vinyl is sound → continue to sanding.

Step 7. Remove Vinyl Wrap (If Required)

Use a heat gun:

1. Heat gently until adhesive softens.
2. Lift a corner and pull at a shallow angle.
3. Continue heating as needed.
4. Avoid overheating — prevents MDF scorching.

Remove glue residue with:

- Warm water + degreaser,
 - or a non-aggressive solvent.
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Step 8. MDF Repair – Filling & Levelling

Fill imperfections using MDF filler or 2-part filler.

Fill:

- Chips and dents
- Blown hinge holes
- Exposed MDF fibres
- Profile damage
- Glue removal scarring

Sanding sequence:

- Shape with 120–180 grit
- Smooth with 220–240 grit
- Final finishing with 320–400 grit

Repairs must be invisible before priming.

Step 9. Finish Sanding All Surfaces

Use 220–400 grit sandpaper or Scotchbrite pads.

Purpose:

- Removes gloss
- Creates mechanical key
- Blends repairs
- Ensures uniform adhesion

Avoid aggressive sanding.

Step 10. Clean Sanding Residue

Use:

- Vacuum
- Damp cloth
- Dry cloth
- Tack cloth (final prep)



All dust must be removed to avoid texture issues.

Step 11. Tape & Protect Kitchen Carcasses

Mask off:

- Worktops
- Splashbacks
- Appliances
- Hinges
- Floors
- Under-cabinet lighting
- Glass
- Trims not being sprayed

Use high-quality masking tape and protective sheeting.

Step 12. Apply Spectra-Prime Blocking Primer

===== SPECTRA-PRIME SPRAY SETTINGS =====

- Pressure: 3–4 Bar
 - Nozzle Size: 1.4mm–2.0mm
 - Additives: Up to 10% DI Water (if required)
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Mix according to manufacturer guidelines.
Test spray and apply in smooth, even passes.

Benefits:

- Neutralizes dark or patterned vinyl
- High-build primer for sealing MDF porosity
- Blocks staining & tannin migration
- Prevents MDF fibres showing through
- Improves topcoat uniformity & thickness

Allow to dry fully before applying ArmourGuard.

Step 13. Inspect the Surface



Check for:

- Missed primer spots
- Rough patches
- Exposed MDF
- Dust inclusions
- Areas needing additional filler/spot priming

Correct if needed.

Step 14. Mix ArmourGuard V2 Pigmentable

Mix gently until:

- Uniform colour
- Smooth consistency
- No aeration

Avoid shaking.

Step 15. Apply ArmourGuard V2

ArmourGuard V2 – Spray Settings

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

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

- Spray edges first
- Spray face in even overlapping passes
- Avoid heavy build
- Maintain consistent spray distance

Allow each coat to fully dry.

Step 16. Apply Additional Coats (Optional)



Add coats for:

- Increased opacity
- Richer colour depth
- Enhanced durability

Dry thoroughly between coats.

Step 17. Allow Proper Curing

Let ArmourGuard V2 fully cure before reinstallation.

Avoid:

- Stacking
 - Touching edges
 - Exposure to moisture
 - Installing hardware too early
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Step 18. Reinstall Doors, Drawers & Hardware

Once cured:

- Reattach hinges
- Fit handles
- Reinstall doors in numbered order
- Align and adjust

Wipe with microfiber cloth to finish.

Final Inspection

Look for:

- Even colour
- Smoothness
- Proper sheen
- Clean edges
- No dry spray or texture defects

Touch up if required.

Important Tips



- Always seal MDF properly with Spectra-Prime.
 - Remove vinyl completely if lifting.
 - Avoid humidity during spraying.
 - Do not use silicone products anywhere nearby.
 - Apply multiple thin coats for best finish.
 - Maintain a clean, dust-controlled spray area.
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Problems & How to Avoid Them

Poor adhesion:

→ Caused by poor prep or skipping primer.

Orange peel:

→ Incorrect spray settings or thick coats.

Runs:

→ Too heavy application.

MDF fibre swelling:

→ Excess water or missing primer seal.

Peeling on vinyl:

→ Vinyl was failing—must be removed first.

DISCLAIMER

All instructions must be followed carefully to ensure correct performance. Information is based on testing and field data but cannot cover 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.



INFINITY KITCHEN SYSTEM (SPRAYED)

SYSTEM 1
(WARRANTY)
ARMOURGUARD
LIGHT-TRAFFIC
RESIDENTIAL/COMMERICAL

(WATER-BASED SYSTEM)

