

## Infinity ArmourGuard V2 PVC / uPVC Respraying System

### Frequently Asked Questions (F.A.Q.)

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#### **CRITICAL – MIXING ORDER IS NON-NEGOTIABLE**

ArmourGuard V2 is a **2K water-based hybrid coating**, not a traditional paint.  
**Incorrect mixing WILL cause defects.**

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 If mixing order is not followed exactly, you will get:

- Bitty / rough finish
  - Micro-clumping
  - Poor spray pattern
  - Inconsistent sheen
  - Reduced performance
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#### **Correct Mixing Procedure (MUST BE FOLLOWED):**

1. Add up to **10–15% DI (deionised) water into Part A ONLY**
  2. Add **catalyst (if being used) into Part A**
  3. Mix thoroughly until **fully homogeneous**
  4. **Strain through 190 micron filter** into spray cup
  5. **ONLY THEN** add **Part B (hardener)** and mix
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#### **NEVER:**

- Add water after Part A + B are combined
- Add catalyst after Part B
- Skip straining

 This is the **#1 cause of poor finishes.**

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### 1. I'm not getting a fine finish – it looks “bitty” when spraying. Why?

This is almost always caused by **incorrect mixing order**.

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#### Cause:

- Water or catalyst added after Part A + B reaction has started
  - Creates **micro-clumps during curing**
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#### Solution:

👉 Follow the **exact mixing procedure above**

This will result in a **smooth, factory-quality finish**.

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### 2. My Gloss, Satin, and Matt versions are different thicknesses – how should I spray them?

This is **normal** due to **matting agents**.

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#### Best Practice:

- Add **10–15% DI water into Part A (before Part B)**
  - Adjust viscosity to suit your spray setup
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👉 Always follow correct mixing order first, then fine-tune viscosity.

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### 3. My Spectra-Prime feels very thick – is this correct?

Yes — this is intentional.

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**Spectra-Prime is a high-build stain blocking primer**, designed to:

- Block tannins
- Level surfaces
- Improve adhesion



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**Application:**

- Spray evenly
- Allow to cure
- **Sand flat before ArmourGuard V2 topcoats**

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**4. I have an old kit and a new kit (same colour) – will this affect the finish?**

Yes — **minor colour variations can occur between batches.**

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**Solution (Batching Method):**

- Combine all **Part A components together**
- Mix thoroughly until homogeneous
- Then proceed with normal mixing

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 Ensures a **consistent colour across the entire job.**

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 **PVC / uPVC Specific F.A.Q's**

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**5. My coating isn't sticking to PVC / uPVC – why?**

PVC is a **low-energy surface**, so adhesion depends heavily on preparation.

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**Common Causes:**

- No degreasing
  - No mechanical key
  - No adhesion promoter used
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**Solution / Best Practice:**

- Thoroughly **degrease (remove silicone, oils, polish residues)**
  - Lightly **key the surface**
  - Apply **Infinity Fusion Adhesion Promoter**
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👉 This step is **critical for long-term adhesion**.

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**6. I'm getting fisheyes on PVC / uPVC – what's causing this?**

This is caused by **surface contamination**, especially:

- Silicone
  - Plastic conditioners
  - Cleaning residues
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**Solution:**

- Deep clean multiple times
  - Sand lightly
  - Reapply adhesion promoter
  - Avoid silicone-based cleaners
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**7. My finish looks patchy or uneven – why?**

- Uneven spray technique
  - Inconsistent thinning
  - Poor base prep
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**Solution:**

- Apply **even overlapping passes (50% overlap)**



- Maintain correct **distance and pressure**
  - Ensure consistent viscosity
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#### 8. I'm getting runs or sags – what's happening?

- Coating applied too heavily
  - Over-thinning
  - Poor spray control
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#### Solution:

- Apply **multiple light coats**
  - Adjust viscosity correctly
  - Control gun speed and distance
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#### 9. The coating scratches easily after spraying – why?

- Surface not fully cured
  - High gloss finish showing reflective scratches
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#### Solution:

- Allow **full cure (3–5 days)**
  - Apply **ArmourGuard Clear (Gloss / Satin / Matt)** for added protection
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#### 10. When can PVC / uPVC be used after spraying?

- Light use: **24 hours**
  - Full cure: **3–5 days**
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👉 Avoid cleaning, moisture, or heavy handling during cure.



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### 11. Can I spray ArmourGuard on exterior PVC (doors, windows, frames)?

Yes — but only with **correct preparation and conditions**.

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#### **Important:**

- Ensure surface is **fully clean and degreased**
  - Apply **adhesion promoter**
  - Avoid spraying in:
    - Rain
    - High humidity
    - Extreme temperatures
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### 12. How do I get a factory finish on PVC?

👉 It comes down to:

- Perfect prep
  - Correct mixing order
  - Proper filtration
  - Controlled spray technique
  - Light, even coats
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👉 **Prep and mixing are more important than spraying itself.**

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#### **⚠️ System Classification & Usage Guidance**

- Designed for:
  - PVC / uPVC doors
  - Window frames



- Cladding
- Plastic trims

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**⚠ Critical System Guidelines**

- Mixing order is **mandatory**
- Always **degrease and key surfaces properly**
- Use **adhesion promoter on all plastics**
- Always **strain material before spraying**
- Apply **light, even coats**
- Carry out **test panels before full jobs**

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**⚠ Failure to follow correct procedures will result in:**

- Bitty finish
- Adhesion failure
- Fisheyes
- Runs and defects
- Colour inconsistency
- Premature coating failure
- Voided warranties

