


Infinity ArmourGuard V2 Metal Respraying System



Frequently Asked Questions (F.A.Q.)

CRITICAL – SURFACE PREPARATION & MIXING ARE NON-NEGOTIABLE

Metal is a **non-porous, high-risk substrate**.

Failure to prepare correctly will result in **adhesion failure, rust bleed, or coating breakdown**.

 The two most common causes of failure are:

-  Poor surface preparation
 -  Incorrect mixing order
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1. My coating isn't sticking to metal – why?

This is caused by **insufficient surface preparation**.

Common Causes:

- No mechanical key (surface too smooth)
 - Oil, grease, or contamination present
 - No adhesion promoter used
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Solution / Best Practice:

- Thoroughly **degrease the surface**
 - Mechanically **abrade (sand/grind) to create a key**
 - Apply **Infinity Fusion Adhesion Promoter**
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 Metal requires both:
mechanical key + chemical adhesion for long-term performance.



2. Rust is showing through the coating – what caused this?

This is caused by **untreated or active corrosion beneath the coating**.

Important:

👉 Rust is **active** — it will continue to spread if not treated

Solution / Best Practice:

- Fully remove all **visible rust** (grinding/sanding)
 - If any rust remains:
 - Apply a **rust converter or anti-corrosion primer**
 - Only coat when the surface is:
 - Clean
 - Dry
 - Stable
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👉 Skipping this step will result in:

- Rust bleed-through
 - Staining
 - Coating failure
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3. I'm getting a “bitty” or rough finish when spraying – why?

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

Correct Mixing Method (MUST BE FOLLOWED):

1. Add up to **10–15% DI water into Part A ONLY**
2. Add **catalyst (if used)**
3. Mix thoroughly



4. **Strain through 190 micron filter**
 5. Add **Part B** and mix
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✘ Adding water after Part B will cause:

- Micro-clumping
 - Poor atomisation
 - Rough finish
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👉 This is the **#1 cause of poor spray finish**.

4. My finish looks patchy or uneven on metal – why?

This is usually due to:

- Uneven application
 - Incorrect viscosity
 - Poor prep
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Solution:

- Apply **even, overlapping spray passes (50% overlap)**
 - Maintain correct **spray distance and pressure**
 - Ensure **consistent thinning and mixing**
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5. I'm getting fisheyes when spraying metal – what's causing this?

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

- Oils
- Silicone
- Polishing residues



Solution:

- Deep clean multiple times
 - Use appropriate **degreasers**
 - Lightly abrade surface
 - Reapply adhesion promoter
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6. The coating is chipping at edges or corners – why?

Edges are **natural weak points** in any coating system.

Cause:

- Mechanical impact
 - No sealing or protection
 - Sharp edges not prepared
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Solution / Best Practice:

- Lightly **round or key sharp edges where possible**
 - Seal junctions with **flexible sealant if required**
 - Avoid leaving exposed sharp termination points
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7. My coating scratches easily – is this normal?

- High gloss finishes show **more visible scratching**
 - Surface may not be **fully cured yet**
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Solution:

- Allow **full cure (3–5 days)**
- Apply **ArmourGuard Clear (Gloss / Satin / Matt)** for added protection



8. Can ArmourGuard V2 be used on exterior metal?

Yes — with correct preparation.

Requirements:

- Proper rust removal and treatment
- Adhesion promoter applied
- Suitable weather conditions

Avoid spraying in:

- Rain
- High humidity
- Cold temperatures

9. How do I achieve a smooth, factory finish on metal?

👉 The key is:

- Perfect **prep (degrease + key + adhesion promoter)**
- Correct **mixing order**
- Proper **filtration (190 micron)**
- Controlled **spray technique**
- Multiple **light coats**

⚠️ Critical System Guidelines

- Always **fully remove or treat rust before coating**
- Always **mechanically key the surface**
- Always use **Infinity Fusion Adhesion Promoter**



- Follow **correct mixing order (mandatory)**
- Apply **light, even coats**
- Carry out **test panels before full application**

⚠ Failure to follow correct procedures will result in:

- Adhesion failure
- Rust bleed-through
- Bitty or rough finish
- Fisheyes
- Chipping and peeling
- Premature system failure
- Voided warranties