

Infinity ArmourGuard PVC / UPVC Course – Walkthrough Table

| Time | Step | Instructor Actions | Student Actions |
|---------------------|--------------------------------------|--|--|
| 10:00 – 10:30 | Welcome & Course Introduction | Register students, check ID, PPE briefing, outline full process (strip → prep → spray → reinstall) | Complete enrolment, receive PPE, introduce themselves, understand course structure |
| 10:30 – 11:00 | System Theory | Explain ArmourGuard system, use cases, limitations, pot life and 4:1 mix ratio | Take notes, ask questions, understand system fundamentals |
| 11:00 – 11:10 | Critical Mixing Demonstration | Demonstrate: ADD TO PART A FIRST → MIX → THEN ADD PART B , explain failures if done wrong | Observe closely, understand correct mixing order |
| 11:10 – 11:45 | Strip Down (Hands-On) | Demonstrate safe removal of handles, hinges, hardware | Strip down door and window fully, organise parts safely |
| 11:45 – 12:30 | Cleaning, Degreasing & Sanding | Demonstrate degreasing process and sanding technique, show correct abrasives (Grey Scotch ~P800–1000, Red ~P320–400, discs P320–600) | Degrease and sand all surfaces using correct grades |
| 12:30 – 13:15 | Masking & Preparation | Demonstrate masking techniques for glass, seals, edges | Mask door and window cleanly with sharp lines |
| 13:15 – 14:30 | Spray Application (First Coat) | Demonstrate spray setup (1.2mm / 1.4mm), technique (distance, overlap), check every mix (Part A first) | Mix correctly (Part A first) and spray first coat on door and window |
| 14:30 – 15:00 | Flash Off & Inspection | Explain flash-off timing, inspect surfaces, highlight defects | Inspect own work, identify issues, prepare for second coat |

| Time | Step | Instructor Actions | Student Actions |
|---------------------|------------------------------|---|---|
| 15:00 – 15:45 | Second Coat Application | Supervise spraying, reinforce technique and film build | Apply second coat evenly to achieve full coverage |
| 15:45 – 16:30 | Reinstallation | Demonstrate correct refitting of hardware without damaging coating | Reinstall handles, hinges, components carefully |
| 16:30 – 17:00 | Troubleshooting & Completion | Inspect all work, explain common failures (contamination, poor sanding, incorrect mixing), discuss pricing & jobs | Review work, ask questions, receive certification |

Infinity Effects ArmourGuard PVC / UPVC Spraying Course

(Full System: Strip → Prep → Spray → Reinstall)

Duration: 1 Day

Time: 10:00 AM – 5:00 PM

Format: Hands-On | Real Substrate Training

Pre-Course Setup (Trainer Checklist)

Equipment:

- 3M Performance Spray Guns / HVLP
- Compressor setup
- Screwdrivers / tools for removal
- Sanding equipment (hand + machine)
- Degreasers & wipes

- Masking tape (1" & 2") + plastic sheeting
 - Mixing sticks, cups & scales
 - PPE (masks, gloves, eye protection)
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Substrates:

- Full PVC door setups
 - Window frames
 - Practice panels
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Products:

- ArmourGuard Pigmentable
 - ArmourGuard Clear (if required)
 - Catalyst (where used)
 - Degreaser / adhesion prep
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Full Course Schedule & Breakdown



10:00 – 10:30 | Welcome & Course Introduction

- Enrolment & ID checks
 - PPE & spray safety briefing
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10:30 – 11:00 | System Theory (Critical Foundation)

ArmourGuard Overview:

- 2K urethane-acrylic hybrid
- Mixing ratio: 4:1 (A:B)
- Pot life: 30–40 minutes

CRITICAL TRAINING POINT – MIXING ORDER

 ALWAYS ADD TO PART A FIRST → MIX → THEN ADD PART B

 Must be checked on every student mix

11:00 – 11:45 | Strip Down (Hands-On)

Students:

- Remove:
 - Handles
 - Hinges
 - Hardware

 Focus:

- Clean removal
- No damage to substrate

11:45 – 12:30 | Cleaning, Degreasing & Sanding (CRITICAL STAGE)

Tutor Demonstration:

- Correct degreasing process
- Correct sanding method

CORRECT ABRASIVES FOR PVC / UPVC (VERY IMPORTANT)

Scotch Pads:

- Grey Scotch-Brite (Ultra Fine ~ P800–P1000 equivalent) → Standard prep
- Red Scotch-Brite (Very Fine ~ P320–P400 equivalent) → Heavier key if needed

Sanding Discs:

- P320 – P400 grit → Standard machine prep
- P400 – P600 grit → Refining before coating

DO NOT USE:

- Anything too aggressive (P80–P240) → will damage PVC
- Anything too fine (P800+) as primary prep → won't key surface

Teaching Point:

- You are **not sanding to remove material**
- You are creating a **uniform mechanical key**

Students:

- Degrease all surfaces
- Sand using correct grades

Critical:

- Any gloss left = **adhesion failure risk**
- Any contamination = **fish eyes / defects**

12:30 – 13:15 | Masking & Preparation

Students:

- Mask:
 - Glass
 - Seals
 - Edges

Focus:

- Clean, sharp lines
- Full protection

13:15 – 14:30 | Spray Application (Main Practical)

Tutor Demonstration:

- Spray setup:
 - 1.2mm → fine finish
 - 1.4mm → build

Students:

- Mix ArmourGuard (**Part A first**)
- Spray:
 - Door
 - Window

Reinforce:

- Light even coats
- 50% overlap
- Keep consistent distance

14:30 – 15:00 | Flash Off & Inspection


Teach:

- Flash-off timing

- Identifying issues early
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Students:

- Inspect work
 - Prepare for second coat
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 **15:00 – 15:45 | Second Coat Application**

Students:

- Apply second coat

 Focus:

- Uniform finish
 - Full coverage
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 **15:45 – 16:30 | Reinstallation**

Students:

- Refit:
 - Handles
 - Hinges
 - Hardware

 Focus:

- Avoid damaging fresh coating






- Professional finish

16:30 – 17:00 | Troubleshooting & Business Training

Teach:





- Fish eyes → contamination
- Peeling → poor prep
- Runs → over-application

Infinity Training Standards

-  **ALWAYS ADD TO PART A FIRST**
-  Use correct abrasive grades
-  Prep is everything
-  Cleanliness is critical
-  Light coats = professional finish

End Result

Students leave able to:

-  Correctly prep PVC / UPVC using proper abrasives
-  Avoid common prep mistakes
-  Spray ArmourGuard professionally
-  Deliver high-quality respray finishes