

## EAZY PU 75 METAL 10:1

INTERIOR

SOLVENT BASED

2K

### Description:

A medium-solids, solvent-based two-component polyurethane topcoat available in clear, solid colours or metallic finishes on wood, MDF, and metal substrates. The hydroxyl-functional acrylic-polyurethane base is catalyzed with PU Activator 75 AL XL at a 10:1 ratio by volume; the resulting aliphatic isocyanate crosslink produces a hard, chemically resistant, non-yellowing film with excellent UV stability and long-term colour retention. On wood and MDF the product is applied over EAZY PU 75 Sanding Sealer 10:1 as part of a complete system; on properly prepared bare metal and powder-coated surfaces it can be applied direct-to-substrate, removing the need for a separate primer in low-corrosion-risk environments.

### Intended Uses:

EAZY PU 75 METAL 10:1 is designed for interior decorative finishing where a premium finish is specified. It is suited to both wood-based and metal substrates, making it a versatile choice across furniture manufacturing, architectural fit-out, and light metal finishing. Typical applications include:

- Metal furniture frames, legs, brackets, and architectural metalwork
- MDF furniture components, cabinet doors, and decorative panelling
- Refinishing or colour change of existing powder-coated surfaces in good condition
- Interior architectural fit-out elements, balustrades, and feature metalwork
- Metal signage, display fixtures, and retail fit-out components
- Custom decorative woodwork and furniture where a metallic lacquer finish is required

### Features & Benefits:

- **Aliphatic isocyanate cure system:** Produces a non-yellowing, UV-stable film with excellent long-term colour retention — suitable for interior environments where aesthetics are critical.
- **Direct-to-substrate adhesion on metal:** Bonds directly to properly cleaned and prepared bare metal and powder-coated surfaces without a separate primer coat, reducing system steps and application time.
- **Chemical and household-agent resistance:** The crosslinked polyurethane film withstands cleaning agents, mild solvents, and normal domestic contact, making it suitable for furniture and fit-out in occupied environments.
- **10:1 mix ratio convenience:** The low activator addition rate minimises measuring complexity in production environments; a small quantity of activator has low impact on the mixed colour and sheen.
- **Compatible sealer system available:** EAZY PU 75 Sanding Sealer 10:1 (also activated with PU Activator 75 AL XL) provides the ideal substrate preparation coat for wood and MDF applications, with excellent grain filling and inter-coat adhesion.
- **Solvent-based formulation:** Fast flash-off times support production line throughput. Compatible with standard spray equipment and facilities designed for solvent-based lacquers.

### Certifications:

-

### Technical Data:

|                       |                                             |       |
|-----------------------|---------------------------------------------|-------|
| Product Physical Form | Liquid                                      |       |
| Binder Type           | Acrylic polyurethane                        |       |
| Colour                | Clear, solid RAL colours & metallic colours |       |
| Appearance            | Smooth Finish                               |       |
|                       | DeadMatt                                    | GU <3 |

### WOOD & FURNITURE COATINGS:

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**Latest Update:**  
23/03/2026  
**Issue Date:**  
20/03/2026

|                       |                                                                                                                    |                                                      |
|-----------------------|--------------------------------------------------------------------------------------------------------------------|------------------------------------------------------|
|                       | Matt                                                                                                               | GU 5 – 10                                            |
|                       | SilkMatt                                                                                                           | GU 20 – 25                                           |
|                       | Satin                                                                                                              | GU 30 – 35                                           |
|                       | Semi-Gloss                                                                                                         | GU 70 – 80                                           |
|                       | Smooth Gloss                                                                                                       | GU >90                                               |
| Comp. A               | Name:                                                                                                              | EAZY PU 75 METAL 10:1 “Gloss Level” “Colour” Comp. A |
|                       | Pack Size:                                                                                                         | 1 Lt & 5 Lt                                          |
| Comp. B               | Name:                                                                                                              | PU Activator 75 AL XL Comp. B                        |
|                       | Pack Size:                                                                                                         | 50 ml, 200 ml, 250 ml, 1Lt, 4 Lt & 5Lt               |
| Mixed                 | Density (Kg/ Litre):                                                                                               | 1 ± 0.05                                             |
|                       | Volume Solids:                                                                                                     | 75 ± 2%                                              |
|                       | Mixing Ratio (Volume):                                                                                             | 10 : 1 (Comp. A : Comp. B)                           |
|                       | Viscosity (Seconds):                                                                                               | 55 ± 10                                              |
| Diluent               | EAZY PU Thinner (Up to 35%)                                                                                        |                                                      |
| Recommended WFT       | 75 – 150µm (Wet Film Thickness)                                                                                    |                                                      |
| Recommended DFT       | 55 – 110µm (Dry Film Thickness)                                                                                    |                                                      |
| Spreading Rate        | 6.8 – 13.6 m <sup>2</sup> / Litre per coat, allowance should be made for site application losses & surface profile |                                                      |
| Number of Coats       | 1 – 2 coats                                                                                                        |                                                      |
| Method of Application | Conventional HVLP or airless spray                                                                                 |                                                      |
| Storage               | Store out of direct sunlight in dry conditions between 15°C and 25 °C                                              |                                                      |
| Shelf Life            | 12 months when stored as recommended in original un-opened containers                                              |                                                      |

## Important Information:

- Always consider a test patch to check suitability & adhesion.
- Always consult with technical department if unsure.
- Only use recommended solvents/diluents to avoid gelling or colour variations.
- When painting, to ensure colour consistency, it is important that all product used on the project share the same batch number.
- Technical & application data herein is for the purpose of establishing a general guideline of the coating application procedure.
- Test performance results were obtained in a controlled laboratory environment and Specialized Coating Systems makes no claim that the exhibited published test results, or any other tests, accurately represent results found in all field environments. As application, environmental and design factors can vary, due care should be exercised in the selection & verification of the performance and use of the coating.
- EAZY PU 75 METAL 10:1 must always be catalyzed with PU Activator 75 AL XL at the stated 10:1 ratio by volume. Use of incorrect activator, incorrect ratio, or omission of activator will result in a film that fails to cure correctly and will not achieve the stated performance properties.
- The metallic pigmentation in the base component will settle during storage. Stir or agitate the base thoroughly before use and before each new batch is mixed. Failure to do so will result in non-uniform metallic effect and inconsistent sheen.
- Pot life is temperature-dependent. At temperatures above 30°C, the pot life is significantly reduced. Mix smaller batches and use promptly. Do not attempt to use material that has begun to gel.
- This product contains organic solvents and an isocyanate-containing activator component. Adequate mechanical ventilation is mandatory during application and drying. An air-fed respirator or approved organic vapour/isocyanate-rated respirator must be worn. Refer to the current Safety Data Sheet (SDS) before use.
- The activator (PU Activator 75 AL XL) contains aliphatic isocyanates. Isocyanates are respiratory sensitizers. Once sensitised, a person may react to extremely low concentrations. Never spray without appropriate respiratory protection. Persons with asthma or respiratory conditions should not be exposed.

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- This product is classified as a flammable liquid. Keep away from open flames, sparks, and all sources of ignition. No smoking in application areas. Ensure earthing of metal spray equipment.
- Not formulated for immersion service, continuous chemical exposure, exterior UV exposure, or floor traffic applications. For these uses, consult SCS technical for an appropriate system.

## Surface Preparation:

In general, the following guidelines for preparation should be adhered to. Always consult for a detailed specification.

- The areas to be coated should be dry, firm, solid and free from dust, oil, fats, and other contaminants.

### Wood & MDF

Sand all surfaces smooth using P180–P220 paper before sealing. MDF edges and profiles must be sealed prior to topcoat application to prevent over-absorption. Remove all dust, grease, wax, silicone contamination, and release agents. Apply EAZY PU 75 Sanding Sealer 10:1 as the initial coat; allow to cure fully and sand back lightly with P320–P400 before applying EAZY PU 75 METAL. Any surface defects, grain, or texture visible at the sealer stage will telegraph through the metallic topcoat — do not skip intermediate sanding.

### Bare Metal

Remove all rust, mill scale, weld spatter, weld flux, and contamination. Mechanically prepare to a minimum standard equivalent to St 3 (power tool cleaning) for low-risk environments; abrasive blast to Sa 2 or Sa 2.5 for more demanding applications. Immediately degrease with a clean solvent wipe or citrus-based degreaser and allow to dry fully. Apply the first coat of EAZY PU 75 METAL within 4 hours of surface preparation to prevent flash corrosion. Where a corrosion-protective primer is required (coastal, industrial, or exterior environments), apply a suitable epoxy primer and allow to cure before overcoating — contact SCS technical for system selection.

### Powder-Coated Surfaces

The existing powder coat must be firmly adhered, structurally intact, and free from chalking, flaking, or contamination. Degrease thoroughly with a clean solvent wipe. Abrade the entire surface with P320–P400 paper to break the gloss and provide mechanical adhesion key; remove all sanding dust. Test adhesion on a small representative area before proceeding with full application, particularly on flexible or thermoplastic powder coat formulations.

### Previously Painted Surfaces

The existing coating must be hard, well-adhered, and chemically compatible with solvent-based polyurethane. Degrease and abrade as for powder-coated surfaces. If compatibility is uncertain, apply a test patch, allow to cure fully (minimum 48 hours), and check for lifting, wrinkling, or adhesion failure before proceeding.

## Application:

|                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                    |           |
|-------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------|-----------|
| Mixing            | Stir the base component thoroughly using a mechanical mixer until pigment is uniformly dispersed (minimum 2 minutes). Measure 10 parts EAZY PU 75 METAL base to 1 part PU Activator 75 AL XL by volume using calibrated equipment or mixing cup. Add the activator to the base (not the reverse) and mix mechanically for a minimum of 2 minutes until fully homogeneous.<br><br>Allow 5–10 minutes induction time after mixing before commencing application. Use all mixed material within the stated pot life. Do not add fresh unmixed material to a partially used batch. Discard any material that shows signs of gelling. |                                                                                                                    |           |
| Mix Ratio         | 10 : 1 (Comp. A : Comp. B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                    |           |
| Pot Life @ 20°C   | 4 – 6 hours                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                    |           |
| Application Tools | Conventional HVLP or airless spray                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                    |           |
| Application       | <b>Spray Application</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                    |           |
|                   | Spreading Rate                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 6.8 – 13.6 m <sup>2</sup> / Litre per coat, allowance should be made for site application losses & surface profile |           |
|                   | Recommended WFT (per coat)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Min 75µm                                                                                                           | Max 150µm |

## WOOD & FURNITURE COATINGS:

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|               |                                                                                                                                                                                                                                                                                                                                                           |             |           |
|---------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|-----------|
|               | Recommended DFT (per coat)                                                                                                                                                                                                                                                                                                                                | Min 55µm    | Max 110µm |
|               | Number of Coats                                                                                                                                                                                                                                                                                                                                           | 1 – 2 coats |           |
|               | <b>Extra Information:</b><br>-                                                                                                                                                                                                                                                                                                                            |             |           |
| Diluent       | EAZY PU Thinner (Up to 35%)                                                                                                                                                                                                                                                                                                                               |             |           |
| Work Stoppage | Do not allow material to remain in spray equipment after use, thoroughly flush and clean all equipment with <b>Solvent EA or PU Thinner</b> . Once the kit has been mixed, they should not be re-sealed and it is advised that of prolonged stoppages, work recommences with freshly mixed units                                                          |             |           |
| Clean Up      | Clean all equipment immediately after use with <b>Solvent EA or PU Thinner</b> . It is advisable to periodically flush out spraying equipment during the course of the working day. Frequency of cleaning is dependant of upon the amount sprayed, temperature and elapsed time. Work strictly in accordance with the specified pot life of the material. |             |           |

| Application Environment: |                                                                                                                             |                     |                   |
|--------------------------|-----------------------------------------------------------------------------------------------------------------------------|---------------------|-------------------|
|                          | Surface Temperature                                                                                                         | Ambient Temperature | Relative Humidity |
| Minimum                  | 10°C                                                                                                                        | 10°C                | No Lower Limit    |
| Maximum                  | 35°C                                                                                                                        | 40°C                | 85%               |
| Extra Information        | Substrate temperature must be at least 3°C above the measured dew point at all times during application and initial drying. |                     |                   |

| Drying & Overcoating Information: |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |              |               |
|-----------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|---------------|
| Temperature                       | 15°C                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 25°C         | 35°C          |
| Touch Dry                         | 45 – 60 min                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 20 – 30 min  | 15 – 20 min   |
| Tack Free                         | 90 – 120 min                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 45 – 60 min  | 30 – 45 min   |
| Minimum Recoat                    | 4 – 6 hours                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 2 – 4 hours  | 1.5 – 3 hours |
| Light Handling                    | 24 hours                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 8 – 12 hours | 6 – 8 hours   |
| Full Chemical Cure                | 7 Days                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 5 – 7 Days   | 3 – 5 Days    |
| Extra Information                 | <b>Overcoating window:</b> EAZY PU 75 METAL can be overcoated with a second coat of the same product within the minimum recoat window up to a maximum of 24 hours at 25°C. If the maximum recoat time is exceeded, abrade lightly with P400 paper, remove dust, and apply a fresh coat. Do not apply to a film that has not reached tack-free state. Full chemical and solvent resistance is only achieved at full cure (5–7 days at 25°C) — protect finished items from contact, stacking, and chemical exposure during this period |              |               |

## Systems:

Consult with Specialized Coating System for application specific recommendations.

## Safety Information:

- Refer to product SDS for health & safety prior to using products.
- Always wear safety clothing / protection. Respirators, eye protection & skin protection.
- Apply in well-ventilated areas

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