



## Technical Data Sheet UPVC 2K Binder 561 Topcoat

### PRODUCT DESCRIPTION

UPVC 2K Binder 561 is a two-component topcoat based on a acrylic binder and isocyanate hardener. It is characterized by **fast drying**, **good chemical and mechanical resistance** and can be directly applied to a wide range of surfaces, such as PVCu (uPVC), GRP, polyester powder-coated and anodized aluminum, stainless steel, durable plastics, cast iron, steel, galvanized and phosphated steel, composite doors, glass, and other materials.

### TECHNICAL SPECIFICATION

Type:	2K Acrylic isocyanate
Supply viscosity of component A:	40-60s, DIN4 mm, 20 °C
Pot life at 20 °C:	4h
Mixing ratio A:B	5A : 1B by weight 5A : 1B by volume
Density of component A:	1,0 - 1,11 kg/l
Density of mixture A+B:	0,97 - 1,07 kg/l
Colour shades:	According to RAL card and NCS system
Appearance:	Matt, semi-gloss, glossy
Solids:	45 % by volume
VOC:	Up to 520 g/l

FILM THICKNESS AND SPREADING RATE	MAXIMUM	RECOMMENDED
Dry film thickness (µm):	80	40
Wet film thickness (µm):	180	90
Theoretical spreading rate (m <sup>2</sup> /l):	5,6	10,5

### AFFILIATED COMPONENTS

TULDA H63 Hardener  
TULDA ST10 Universal thinner  
TULDA IMT1 Matting Agent

Drying	10 °C	20 °C	30 °C
Dust dry:	30 min	20 min	10 min
Dry to touch:	3 h	1 h	30 min
Cured:	10 days	7 days	3 days
Min. overcoating Interval:	5 h	2 h	1 h
Max. overcoating Interval:	10 days	7 days	3 days

Remarks: Drying times refer to the recommended dry film thickness at appropriate ventilation.

## Technical Data Sheet UPVC 2K Binder 561 Topcoat

### SURFACE PREPARATION AND WORKING CONDITIONS

Surface preparation:	The surface should be dry and free from salts and other contaminants. Remove salts and dirt by fresh water hosing. Corroded or damaged areas should be repaired first with an appropriate primer system.
Working conditions:	Minimum temperature at application: +5 °C The substrate temperature should be at least 3 °C above the dew point at measured weather conditions.

### APPLICATION DATA

Method	Parameter	Value
Airless spraying:	Working viscosity:	Supply viscosity
	Thinning:	Up to 10 % by volume
	Nozzle:	0.018 - 0.023" (0,46 - 0,58) mm
	Pressure:	Up to 15 MPa
Air spraying:	Thinning:	Up to 15 % by volume
	Nozzle:	1,2 - 2,0 mm
	Pressure:	0,3 - 0,5 MPa
Brush/roller:	Thinning:	Not recommended

In order to achieve the specified dry film thickness in comparison to airless spraying, it is required to double the number of coats. The percentage of the added thinner depends on the temperature of the paint. The above data refer to temperature 20 °C.

### COATING SYSTEM

We recommend selecting the coating system according to the respective corrosion class in accordance with standard EN ISO 12944-5.

### MATTING ADDITIVE IMT1

To achieve the desired gloss level (matt, satin, semi-gloss, glossy), a matting additive (e.g., TULDA IMT1) can be added to the topcoat (Component A, without hardener) in a quantity of 25-100% by volume, depending on the required finish. The additive increases the mixture's viscosity, which may necessitate thinning with TULDA ST10 Universal Thinner (5-15% by volume) to maintain application consistency. Add the hardener (TULDA H63) only in the specified mixing ratio (5:1 by volume) for Component A, excluding the matting additive volume.

Test Spray-Out: Always perform a test spray-out on a sample panel to confirm the gloss level prior to full application, as substrate, application method, and environmental conditions may affect the final finish.

Note: Excessive matting additive may impact film clarity or adhesion. Could also increase flash off times with increased Matting Additive %.

### ADDITIONAL INFORMATION

Storage:	In closed containers at temperature 5 - 25 °C.
Safety instructions:	Refer to the MSDS and the label of the product.
Certificates:	For each batch of paint, we issue the corresponding quality certificate with all control data.



## Technical Data Sheet UPVC 2K Binder 561 Topcoat

---

Contact:	Unit 5B, Tomo Industrial Estate, Packet Boat Lane, Cowley, London UB8 2JP Phone: +44 (0) 2088193278 E-Mail: <a href="mailto:contact@gavbiz.co.uk">contact@gavbiz.co.uk</a>
----------	--

---

This technical information is a result of knowledge based on laboratory work and practical experience. In case of use of our products out of our control, we cannot assume any responsibility and we guarantee only for the quality of the paint as such. The data of the measurable technical characteristics are only approximate and cannot represent the basis for a claim. We reserve the right to change data without prior notice.

---