

## TECHNICAL DATASHEET

# **7-530, 7-531, 7-532, 7-533 7-534, 7-535, 7-536, 7-537 DIRECT TOPCOATS**

## **PRODUCT DESCRIPTION**

Selemix Direct is a polyurethane coating based on a PU 2K technology to be applied direct on substrates.

The product characteristics are:

- One layer system.
- High thickness: up to 300µm wet film.
- Can be sprayed with airless, air-assisted airless, conventional, or HVLP methods
- Good adhesion on various substrates such as bare steel, aluminium, galvanised steel, and fibre reinforced plastic.
- High coverage due to highly concentrated pigment pastes.

## **PRODUCTS**

### **8 Binders :**

4 different glosses: matt, low gloss, semi-gloss and gloss.

#### **For white and pastel colours:**

7-531 Direct Binder GL 10% Light colours  
7-533 Direct Binder GL 30% Light colours  
7-535 Direct Binder GL 50% Light colours  
7-537 Direct Binder GL 70% Light colours

#### **For other colours:**

7-530 Direct Binder GL 10%  
7-532 Direct Binder GL 30%  
7-534 Direct Binder GL 50%  
7-536 Direct Binder GL 70%

Note: Gloss levels quoted are within +/- 10% depending upon colour, and may vary depending upon application and drying conditions.

### **17 Selemix Tinters**

### **3 Hardeners :**

9-070 Direct Hardener  
9-075 Direct HS Hardener  
9-080 Acrylic Hardener

### **3 Thinners :**

1-480 Direct Thinner  
1-470 Direct Slow Thinner  
1-208 Slow Thinner

### **1 Additive :**

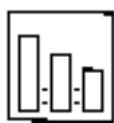
6-550 Direct Accelerator

## SELECTION AND PREPARATION OF SUBSTRATES

	<b>Substrate</b>	<b>Sand</b>	<b>Degrease</b>
	Iron / Steel	P80-120(dry) or blast clean	All surfaces should be thoroughly
	Blasted steel	Sa2.5 , 30µm profile	degreased using the
	Phosphated steel	Scotch brite	appropriate cleaner
	Galvanized steel	Scotch brite	
	Light alloys	P180-320 (dry)	
	Aluminium	P240-320 (dry)	
	Fiber reinforced plastic	P240 (dry)	
	Paintwork / Powdercoat	Scotchbrite	

## AIRLESS / AIR-AIRLESS

## CONVENTIONAL



<b>Mixing ratio:</b>	Volume	Weight	Volume	Weight
Mixed col.	4 vol.	1000	Mixed col.	4 vol.
9-070 / 9-080	1 vol.	200	9-070 / 9-080	1 vol.
1-480*	5% max	50	1-480*	1-1.5vol.

*Note: 1-470 or 1-208 Slow thinner are recommended for application temperatures above 30°C.*



<b>Spray viscosity:</b>	18-25 sec	20 -25 sec
	DIN 6 at 20°C	DIN 4 at 20°C

<b>Pot life at 20°C:</b>	2-3 hours *	3 hours *
Drying can be accelerated by adding 2% Selemix Direct Accelerator 6-550. The above pot life is reduced by half. The use of the additive is always recommended for temperatures under 20 °C.		

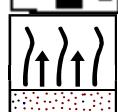


<b>Spray gun set up:</b>	11-15 thou tip	1.6-1.8 mm tip

<b>Spray pressure:</b>	100-140 bar	60-70 bar	Standard	3-4 bar
		Air cap pressure: 1 - 2 bar	HVLP	2 bar



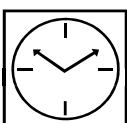
<b>Number of coats:</b>	1 - 2	2 - 3



<b>Flash off between coats</b>	10-15 minutes	15 minutes

<b>Total dry film build :</b>	80-100µm	80-100µm
	Higher thickness can be achieved with additional coats	
	This may extend the drying time	

## APPLICATION GUIDE



### Drying times at 20°C :

<b>dust free :</b>	1 hour	1 hour
<b>tack free :</b>	1,5- 2 hours	2 hours
<b>hard dry</b>	16 hours	16 hours
<b>stoving :</b>	45mn at 60°C (metal temperature)	45mn at 60°C (metal temperature)



**Recoatability:** Selemix Direct Topcoats can be overcoated with itself without sanding, for up to 10 days after drying. Otherwise the surface should be sanded before overcoating.

**Colour:** Check colour before use

## TECHNICAL DATA

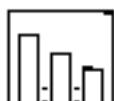
### AIRLESS & AIR ASSISTED AIR LESS

### CONVENTIONAL

<b>VOC :</b>	415 to 455 g/l as supplied 470 to 500 g/l ready for use	520 to 550 g/l ready for use
<b>Solid content :</b>	65-70% by weight	60-65% by weight
<b>Theoretical coverage:</b>	4,5 m²/L (ready for use) Dry film thickness:80µm	4.0 m² /L Dry film thickness:80µm

## APPLICATION GUIDE FOR HIGH SOLIDS MODE (VOC <420g/L)

### AIRLESS - AIR ASSISTED AIRLESS



#### Mixing ratio:

Mixed colour	Volume	Weight
9-075	6 vol.	1000



#### Spray viscosity:

NA



#### Pot life 20°C:

2- 3 hours

#### Spray gun set up / pressure

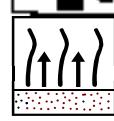
Airless

Tip:	13-15 thou
Fluid pressure:	100-140 bar



#### Number of coats:

1 - 2



#### Flash off between coats:

10-15 minutes

## APPLICATION GUIDE: ROLLER APPLICATION

Selemix Direct can also be applied with a roller .

<b>Roller type advised :</b>	Foam or short haired mohair	Volume	Weight
<b>Mixing ratio:</b>	Mixed colour	6 vol	1000
	9-075 Hardener	1 vol	130

## PERFORMANCE AND LIMITATIONS

**In case of difficulty to achieve coverage, depending on the type of colour, it is possible to use twice the standard ratio of tinters. Colour may be affected so check before use. Back-end performance, especially drying, will be affected also.**

**Note: This recommendation is for use with 7-530/2/4/6 binders only.**

	Light colours Binders	Other Binders	Tinters
<b>Standard ratio</b>	950 g	-	50 g
<b>Standard ratio</b>	-	850 g	150 g
<b>Standard ratio x2</b>	-	700 g	300 g

## VOC EU REGULATIONS

The EU limit value for this product (product category: IIA(j)) ready to use form is max. 550 g/l of VOC (from 1/1/2007) and 500 gr/l of VOC (from 1/1/2010).

The VOC content of this product in ready to use form is max. 500 g/l except for conventional applications where VOC content is max 550 g/l.

## HEALTH AND SAFETY

For comprehensive Health, Safety and Environmental advice, please refer to the relevant Material Safety Data Sheets and Product can labels.

This product is for professional use only.

The information given in this sheet is for guidance only. Any person using the product without first making further enquiries as to the stability of the product for the intended purpose does so at his own risk and we can accept no liability for the performance of the product or for any loss or damage (other than death or personal injury resulting from our negligence) arising out of such use. The information contained in this sheet is liable to modification from time to time in the light of our experience and our policy of continuous product development. Drying times quoted are average times at 20°C. Film thickness, humidity and shop temperature can all affect drying times.

**Selemix System** is a brand of PPG Group

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