



Technical Data Sheet

ISOLATOR PRIMER

Isolating epoxy primer with anti-corrosion additives

RELATED PRODUCTS

ISOLATOR PRIMER
HARDENER

Hardener for Isolator Primer

PROPERTIES

- Fast-drying epoxy primer
 - Excellent adhesion to metal parts
- Good insulating performance
 - Wet on wet application

SUBSTRATES				
Old paint layers, including thermoplastic ones	Degrease and dry sand with P220 - P360.			
Polyester putties	Dry sand, finishing levelling with P240 - P320.			
Steel	Clean steel surfaces to Sa 2 ¹ / ₂ (wet blasting) or St3 (manual cleaning or with a power tool) in accordance with the PN-ISO 12944-4 standard; the surface after the treatment must be free of oil, grease, dust, loose old paint layers, mill scale, rust and foreign contaminants; the surface should exhibit the gloss of the metal substrate.			
Aluminium	Degrease and dry sand with P280 - P360 or matt with an abrasive cloth, then degrease again.			
Galvanized steel	Degrease, matt with a fine abrasive cloth, and degrease.			
Stainless steel	Degrease.			
Polyester laminates	Degrease and dry sand with P280.			
MIXING RATIO				
	ISOLATOR PRIMER ISOLATOR PRIMER HARDENER	Volume ratio	Weight ratio	
		1 1	100 52	
VISCOSITY				
	DIN 4/20°C	14 - 15 s		
VOC CONTENT				
VOC II/B/c limit*		540 g/l		
Actual VOC content		537 g/l		
* For a ready to apply mixture acc. to EU Directive 2004/42/EC				
APPLICATION CONDITIONS				
It is recommended to apply the primer at over 15°C and at a humidity of 80%.				
APPLICATION				
	Conventional gravity fed spray guns	Nozzle	Pressure	Distance
		1.3 - 1.4 mm	2 bar	15 - 20 cm
	CAUTION: Follow the equipment manufacturer's guidelines	Low-pressure spray guns Gravity fed HVLP guns	1.2 - 1.3 mm	2 bar

	Number of coats	1 - 3	
	CAUTION: When applying directly on bare steel, the primer coat must be 80 µm or thicker for proper anti-corrosion protection.		
	Dry coat thickness:		
	1 layer	20 - 30 µm	
2 coats	40 - 60 µm		
3 coats	60 - 90 µm		
	The yield of the ready to use mixture for the given range of dry coat thicknesses	13.0 m ² /l at 30 µm	
	Mixture life at 20°C	6 h	
	Flash-off time between coats	5 - 10 min	
APPLICATION OF FILLERS/PUTTIES OVER THE ISOLATOR PRIMER			
	ISOLATOR PRIMER layers	1	
	ISOLATOR PRIMER drying time	30 min	
CAUTION: Recoat the system within 12 hours. Sand down ISOLATOR PRIMER after 12 hours.			
BASECOAT OR COLOUR TOPCOAT APPLICATION OVER THE ISOLATOR PRIMER			
	ISOLATOR PRIMER layers	1 - 2	
	ISOLATOR PRIMER drying time	15 min	
CAUTION: Recoat the system within 12 hours. Sand down ISOLATOR PRIMER after 12 hours.			
CURING TIME			
	Time to sand	20°C	60°C
		3 h	45 min
CAUTION: The curing times apply to the temperatures of the individual elements.			
IR DRYING			
	Distance	Follow the recommendations of the equipment manufacturer	
	Time depends on the lamp type and power	10 - 20 min	
CAUTION: Start IR heating no earlier than 10 minutes after applying the final coat.			

SANDING



Dry sanding

P360 - P500



Wet sanding

P600 - P1000

EQUIPMENT CLEANING

Epoxy thinner.

STORAGE CONDITIONS

Store in a cool dry room, away from sources of fire and heat.

Avoid direct exposure to sunlight.

SHELF LIFE

ISOLATOR PRIMER

24 months/20°C

ISOLATOR PRIMER
HARDENER

24 months/20°C

SAFETY

See the Safety Data Sheet.

OTHER INFORMATION

The effectiveness of our systems results from laboratory research and many years of experience. The data contained herein meets the current knowledge about our products and their application potential. We ensure high quality, providing the user follows the instructions and the work is performed in accordance with good workmanship. It is necessary to perform a test application of the product due to its potentially different reaction with different materials. We may not be held liable for defects if the final result was affected by factors beyond our control.



ISOLATOR PRIMER

Technical Data Sheet
07/10/2013

ISOLATOR PRIMER

WEIGHT QUANTITY OF COMPONENTS:

CAUTION! It is very important to precisely dose the specific components to obtain a primer with suitable performance parameters.

Mixture quantity	ISOLATOR PRIMER	ISOLATOR PRIMER HARDENER
0.10 l	80 g	41.5 g
0.20 l	160 g	83.0 g
0.30 l	240 g	124.5 g
0.40 l	320 g	166.0 g
0.50 l	400 g	207.5 g
0.75 l	600 g	311.0 g
1.00 l	800 g	415 g
2.00 l	1600 g	830 g