











## Technical data sheet

# PROTECT 300

### Acrylic filler

PROPERTIES	
<p>PROTECT 300 ACRYLIC FILLER – the basic acrylic filler in our offer. The high quality resins and special additives give the product a very good adhesion to various substrates, ensure good anti-corrosion protection and insulate polyester materials (putties) from top layers (topcoats and basecoats). The product is available in five colours for optimum matching of the filler colour to the topcoat. The produced layer thickness allows filling medium-sized surface scratches from treatment of previous layers.</p>	
RELATED PRODUCTS	
H 5520	Hardener Standard, Fast.
THIN 850	Acrylic thinner Standard, Fast and Slow
PLUS 770	Elasticity increasing agent LT-04-01
PLUS 750	Acrylic accelerating agent LT-04-02
PLUS 760	Antisilicone additive LT-04-04
SUBSTRATES	
Old paint coatings, including thermoplastic paints	Degrease, dry sand with P220 – P280, blow off, degrease again.
Polyester putties	Dry sand, use P240 - P320 for final sanding, blow off, degrease.
Epoxy primers	Up to 48 hours without sanding, after 48 hours sand dry with P320, blow off, degrease.
Steel	Degrease, dry sand with P120, blow off, degrease again.
Wash primers	Apply after drying.
Plastics	Degrease with the PLUS 780 degreaser, mat with an abrasive finishing pad, degrease again. Use the PLUS 700 adhesion increasing agent. Use the PLUS 770 elasticity increasing agent if necessary.
Polyester laminates	Degrease, dry sand with P280, blow off, degrease again.

MIXING RATIO				
	PROTECT 300 H 5520 THIN 850	Volume ratio		Weight ratio
		4		100
		1		16
		25% – 35%		14 – 20
Apply the thinner in the amount calculated for the primer.				
VISCOSITY				
	DIN 4/20°C		25 – 45 s	
CONTENT OF VOLATILE ORGANIC COMPOUNDS				
VOC II/B/c limit*		540 g/l		
Actual VOC content		535 g/l		
* For ready to use mixture acc. to EU Directive 2004/42/CE				
APPLICATION CONDITIONS				
It is recommended to apply the primer at a temperature above 15°C and a humidity of no more than 80 %.				
APPLICATION				
 <p>CAUTION: Instructions of the equipment manufacturer must be followed.</p>		Nozzle	Pressure	Distance
	Conventional gravity fed spray gun	1.6 – 1.8 mm	3 – 4 bar	15 – 20 cm
	Low-pressure gravity fed HVLP spray gun	1.6 – 1.7 mm	2 bar	10 – 15 cm
	Number of layers	2 – 3		
	Single dry layer thickness	30 – 40 µm		
	The yield of the ready to use mixture for the given range of dry layer thickness	4.2 m <sup>2</sup> /l at 100 µm		
	Mixture life at 20° C	1 h		
	Flash off time between layers at 20° C	5 – 10 min		

CURING TIMES			
	20°C	60°C	
	3 h	30 min	
CAUTION: The curing times apply to the temperatures of the individual elements.			
IR DRYING			
	Distance Time depending on the type and power of the lamp	Follow the recommendations of the equipment manufacturer 10 –20 min	
CAUTION: Start IR heating no sooner than 10 mins after applying the last layer.			
SANDING			
	Dry sanding	P360 – P500	
	Wet sanding	P600 – P1000	
THIN 850 ACRYLIC THINNER			
Surface	15 – 20°C	20 – 25°C	25 – 35°C
Small 1-2 elements, spot repair	THIN 850 Fast	THIN 850 Fast	THIN 850 Standard
Medium 3-5 elements	THIN 850 Fast / Standard	THIN 850 Standard	THIN 850 Slow
Large more than 5 elements	THIN 850 Standard / Slow	THIN 850 Slow	THIN 850 Slow
COLOUR			
Yellow, red, white, grey, black.			
EQUIPMENT CLEANING			
THIN 850 acrylic thinner or NC solvent.			
STORAGE CONDITIONS			
Store in a cool dry room, away from sources of fire and heat. Avoid direct exposure to sunlight.			
SHELF LIFE			
PROTECT 300	24 months/20°C		
H 5520 Standard.	18 months/20°C		
H 5520 Fast.	12 months/20°C		
THIN 850	24 months/20°C		

**SAFETY**

See Safety Data Sheet.

**NOTES**

Use PROTECT 300 with NOVOL H 5520 hardener only.

Use of other hardeners may reduce the anti-corrosion properties and the chemical and mechanical resistance of the filler.

**OTHER INFORMATION**

Registration number: 000024104.

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, provided the user follows the instructions and the work is performed in accordance with good workmanship. It is necessary to do 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.

### ADDITIONAL INFORMATION

#### WEIGHT QUANTITY OF COMPONENTS: 4+1+25%

#### CAUTION!

In order to obtain a primer with appropriate parameters it is very important to exactly dose the individual components.

Mixture quantity	PROTECT 300	H 5520	THIN 850
0.10 l	105 g	17 g	15 g
0.15 l	158 g	25 g	22 g
0.20 l	210 g	33 g	30 g
0.25 l	263 g	42 g	37 g
0.30 l	315 g	50 g	45 g
0.40 l	421 g	66 g	59 g
0.50 l	526 g	83 g	74 g
0.75 l	789 g	125 g	111 g
1.00 l	1051 g	166 g	148 g

#### WEIGHT QUANTITY OF COMPONENTS: 4+1+35%

#### CAUTION!

In order to obtain a primer with appropriate parameters it is very important to exactly dose the individual components.

Mixture quantity	PROTECT 300	H 5520	THIN 850
0.10 l	99 g	16 g	19 g
0.15 l	148 g	23 g	29 g
0.20 l	197 g	31 g	39 g
0.25 l	246 g	39 g	49 g
0.30 l	295 g	47 g	58 g
0.40 l	394 g	62 g	78 g
0.50 l	493 g	78 g	97 g
0.75 l	739 g	117 g	146 g
1.00 l	986 g	156 g	194 g