

## HENOTHERM ALU

### PRODUCT DESCRIPTION

Henotherm is quickly drying and heat resistant between 200-600°C (by pigmentations). Very good adhesion on iron, steel and copper.

### APPLICATION

It is applied for stoves and industrial parts that will be stressed by high temperatures.

TECHNICAL DATA	
Composition	heat resistant silicone epoxyde resin combination, thermostable pigments
Colour	black matte, violet blue, white aluminium, other hues from 200kg
Brightness grade	matte to semi matte
Temperature resistance	violet blue up to 240°C, black matte up to 500°C, white aluminium up to 600°C
Viscosity	lowly viscous (18-25" DIN 53211 4mm 20°C), though it has thixotrope nature
Solid content (nfA)	30-45 weight % by colour
Solid volume	15-28 vol % by colour
Density	1,05-1,17g/cm <sup>3</sup> by colour
Theor. covering rate	9-13m <sup>2</sup> /kg at 20µm dry layer thickness

## PROCESSING INSTRUCTIONS

### SURFACE PRE-TREATMENT

Thorough cleaning and degreasing. Rust shall be mechanically removed (minimum requirement according to EN ISO 12944 Part 4: Sa 2½), to achieve optimal protection.

### PROCESSING

Coating buildup	the number of coatings conforms with the given requirements:		
	for clearly heat resistant coating: 2x Henotherm		
	for additional corrosion protection: 1x high heat resistant zinc powder paint 2x Henotherm		
Application mode	Spraying; smaller surfaces can also be painted (repair works)		
Spraying process	Spraying pressure	Spraying nozzle	Spraying viscosity DIN 53211 4mm 20°C
Air/fluid beaker	1,5-4bar	1,5-1,7mm	unthinned
Airmix/Airless	100-150bar	0,23-0,28mm	unthinned
The given data for spraying pressure and nozzle size are guidance values which were determined in laboratory. Deviations according to application purpose and user are possible.			

Upon the issuance of this description all previous parameters will become invalid. The written recommendations, technical descriptions, instructions for use, etc. have been based on the current state of knowledge, the best of our abilities, our experiments, research findings and practical experiences. Our application-technical consultation is without obligation. This applies also to the industrial property rights of third persons. The use and processing of our products by your technical experts shall be at your own responsibility because our products are herein exposed to such factors which are beyond our control and can not be judged by their complexity. This also requires you to check the suitability of our products for the intended use. Please refer to the safety sheet for classification, toxicity and precautionary measures. Please store our products properly, tightly closed and keep them out of the reach of children. In everything else our general sale, supply and payment terms shall prevail.

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Thinning	for the possible adjustment of the viscosity up to 5% Thinner for Henex.	
Hardening/Drying	dust dry:	after 15-30 min.
	touch-dry:	after 1 hour
	recoatable:	after 24-36 hours
Layer thickness	not exceeding 25µm per application	
Pract. covering rate	6,3-9,2m <sup>2</sup> /kg at 20µm dry layer thickness	
Varnishable	with itself	

Shelf life	12 months in closed original container at storage temperature between +10 and 30°C.
Container	1kg, 5kg, other container sizes available upon request

## IMPORTANT INSTRUCTIONS

- ❖ By drying at room temperature the product does not achieve its final mechanical and chemical resistance. Final condensation of the lacquer occurs only at operational loads above 200°C

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