

PRODUCT INFORMATION / USE INSTRUCTION

GTV sealer
92.00.1 / 92.00.6



GTV 92.00.1 sealer

The sealer is suitable to seal micro pores and cracks up to 100 µ m without pressure or vacuum for all thermally sprayed coatings. The layer to be sealed must be clean and dry. Cleaning can be chemically carried out to the remove of all rests (e.g. consumable dust) from the pores so that the GTV sealer can penetrate.

Application

1. **by dipping.** Suitable containers consist of PE, galvanized metal or stainless steel. The container should be closable by means of a cover to apply approximately 30 min. curing time.
2. **by brushing** 3 or 4 times with short intervals (1 min).
3. **by spraying** 3 of 4 times in short intervals (1 min.) crosswise.



The component or the layer should show ambient temperature (approx. 20° C) at a moderate relative atmospheric humidity.

The chemical hardening is carried out at ambient temperatures within a few minutes (approx. 6 min per 100 µ m, that means nearly ½ hour for 500 µ m of coating thickness)

The sealed coating can be loaded after approx. 3 hour curing time.

Pressure tight to approx. 350 bar, temperature resistant for approx. -40 ° C to +360° C/400° C short-time, permanent temperature of maximum +200° C.

GTV 92.00.6 sealer HTR

Application similar to the GTV sealer, however consisting a temperature resistance to 500 °C permanent temperature. GTV HTR must be treated (tempered) at approx. 250° C for approx. 3 hours to achieve the full temperature resistance and hardening.

		92.00.1 H	92.00.6	92.00.1
Application				
dipping		√	√	√
brushing		√	√	√
injection		√	√	√
spray can		X	√	√
pump sprayer – spray chamber		√	X	X
Dipping time / Penetration time				
up to 5 mm wall thickness		4	10	10
5 – 10 mm		8	15	15
10 – 15 mm		13	20	20
> 15 mm		30	40	40
Surface drying [minutes]		3		
Surface layer thickness [µm]		3	4	
Cure at +20°C [hours.]	capacity	light (completely)	Has to be tempered 1 hour after the application at 250°C for 3 hours.	
up to 5 mm wall thickness		6 (24)		
5 – 10 mm		10 (24)		
10 – 15 mm		17 (48)		
> 15 mm		24 (48)		
Technical data				
Pore size [mm]		0 – 0,1	0 – 0,1	0 – 0,5
Permanent temp. resistance [°C]		-40 / +300	-40 / +500	-40 / +120
Temporary temp. resistance [°C]		-40 / +450	-40 / +550	-40 / +200
Compression strength [bar]		up to 350	up to 350	
Viscosity (DIN 4 cup, +23°C) DIN 53211 (4 mm nozzle) [sec.]		13	12	

Complete Equipment, Materials & Spare Parts
for Thermal Spraying and Laser Cladding



For further information please also visit our website:

www.gtv-mbh.de

Here you can find product information, downloads and data sheets.

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