

## SPECTRAL KLAR 545 (VHS)

### Characteristics:

**Spectral Klar 545** – it is an acryl clearcoat which characterize very short drying speed, therefore is recommended for fast repair. KLAR 545 is compatible with all basecoats available on the market. It can be applied on water base coats. Clearcoat is UV and weather resistant.

KLAR 545 is compliant with Directive UE 2004/42/CE of 21 April 2004 about emission limitations of Volatile Organic Compounds (VOC).

### Mixing ratio:

	by volume	by weight
SPECTRAL KLAR 545	3	100
Hardener H 6145	1	35
SOLV 845 Activator	0.6	18

### Complementary articles:

Hardener H 6145.  
SOLV 845 Activator.  
Elasticity Increasing Agent PLAST 775.  
Matting Agent HS-D11  
Texture Additive EXTRA 835

### Potlife:

ca. 30 min. at the temperature of 20°C

### Spray viscosity, nozzle, pressure:

DIN 4/20°C 18÷20 s, Ø1.2÷1.3mm, 2÷4 bar

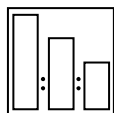
### Contents of volatile organic compounds:

VOC limit (cat. B/4) = 420g/L (ready to apply mixture)  
VOC=415 g/L

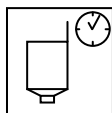
Volatile organic compound (VOC) compliant with Directive UE 2004/42/CE of 21 April 2004.

### Procedure:

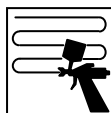
SPECTRAL KLAR 545 is applied on previously sprayed and dried layers of the basecoat. Spray one and half or two layer, leaving time of 3÷5 min for evaporation between applying layers, depending on the temperature and the thickness of the layer. 5 min after the last layer was applied the coat can be force-dried.



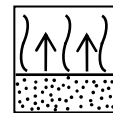
3 + 1 + 0.6



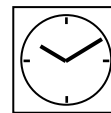
DIN 4/20°C  
18-20 s



1.5÷2x  
2÷4 bar  
Ø 1.2÷1.3 mm



5+10 min



Operation hardness  
8 godz./20°C  
20 min./60°C

### Layer thickness:

Ca.60 µm – 1.5 layer.

**Application:**

Use for small repairs, max 3 elements. Recommended working temperature below 25°C.

**Drying time:**

- At the temperature of 20°C

	SPECTRAL KLAR 545 Solv 845 Activator
Dust-free	20 min.
Tack-free	1 hour
Operation hardness	8 hours
End hardness	5 days

- At the temperature of 60°C

	SPECTRAL KLAR 545 Solv 845 Activator
Dust-free	5 min.
Tack-free	8 min.
Operation hardness	20 min.
End hardness	20min/60°C + 1 day/20°C

**Yield:**

A set (1.0L of clearcoat + hardener in recommended ratio) is enough to get ca. 14 m<sup>2</sup> of 60 µm thickness dry layer.

**Colour:**

Colourless

**Tools cleaning:**

Spectral SOLV 855 thinner for acrylic products or solvent for cellulose nitrate based products.

**Storage time and condition:**

Store in a dry, cool place, away from sources of fire and heat. Direct sunlight should be avoided.

Spectral Klar 545: 24 months at a temperature of 20°C.

Hardener H 6145 : 9 months at a temperature of 20°C.

Solv 845 Activator: 24 months at a temperature of 20°C.

**Industrial safety:**

See Safety Data Sheet of this article.

**Notice:**

The clearcoat should be used only with hardener H 6145.

Using another hardener can cause worse anticorrosive, chemical and mechanical properties.

**Components quantities by weight:**

**Notice!** To obtain a clearcoat with wright properties it is necessary to mix components in a proper ratio.

Mixture (by volume)	KLAR 545	H 6145	Solv 845 Activator
0.10 L	63 g	23 g	11 g
0.15 L	95 g	34 g	17 g
0.20 L	126 g	45 g	22 g
0.25 L	158 g	56 g	28 g
0.30 L	189 g	68 g	34 g
0.40 L	253 g	90 g	45 g
0.50 L	316 g	113 g	56 g
0.75 L	473 g	169 g	84 g
1.00 L	631 g	225 g	112 g
2.00 L	1262 g	450 g	224 g