



HELIODUR

VERTICAL SPRAYING

SYSTEMS FOR THE TREATMENT OF CHILDREN'S FURNITURE AND CHAIRS

HELIODUR coatings are two-component high-quality systems used for the treatment of indoor furniture. They are the ideal solution for reliable protection as well as high mechanical and chemical resistance of surfaces.

Heliodur lacquers and enamels are electroconductive and thus suitable for the electrostatic vertical application method which is common in modern robot technologies for spraying. This method of application ensures minimal loss of material when treating vertical elements, such as parts of chairs or children's beds.

ADVANTAGES

- Long-term protection of treated surfaces
- High surface hardness and elasticity
- Excellent mechanical and chemical resistance
- Different possibilities of application (electrostatic, air, airmix, airless spraying)
- Possibility of drying at room temperature (around 20°C)



SYSTEMS FOR THE TREATMENT OF CHILDREN'S FURNITURE AND CHAIRS

TRANSPARENT TREATMENT SYSTEM UNIVERSAL LACQUERS

HELIODUR universal lacquer (5 - 80% gloss)

Application	Spraying (air, airmix, airless)
Application quantity	100 – 130 g/m ²
Addition of hardener	10% 403315 HELIODUR hardener 15
Thinning	Air, airmix, airless spraying 20 – 30% 403851 HELIODUR thinner or at high temp. 407648 HELIODUR thinner
Inter-layer drying	1 – 2 hours at 20°C / 30 minutes at 50°C
Number of coats	2 – 3

TRANSPARENT TREATMENT SYSTEM BASE AND TOP LACQUER

HELIODUR base lacquer

Application	Spraying (electrostatic, air, airmix, airless)
Application quantity	100 – 130 g/m ²
Addition of hardener	50% 403733 HELIODUR hardener 33
Thinning	Electrostatic spraying: 20 – 50 % 407650 HELIODUR thinner E Air, airmix, airless spraying 20 – 30% 403851 HELIODUR thinner or at high temp. 407648 HELIODUR thinner
Inter-layer drying	Min. 2 hours at 20°C / 45 minutes at 50°C
Number of coats	1 – 2

HELIODUR lacquer V (5 - 90% gloss)

Application	Spraying (electrostatic, air, airmix, airless)
Application quantity	100 – 130 g/m ²
Addition of hardener	50% 403733 HELIODUR hardener 33
Thinning	Electrostatic spraying: 20 – 50 % 407650 HELIODUR thinner E Air, airmix, airless spraying 20 – 30% 403851 HELIODUR thinner or at high temp. 407648 HELIODUR thinner
Drying	2 – 3 hours at 20°C / 1 hour at 30 - 50°C
Stacking/packaging	After min. 24 hours



PIGMENTED TREATMENT SYSTEM BASE AND TOP ENAMEL

HELIODUR basic enamel white

Application	Spraying (electrostatic, air, airmix, airless)
Application quantity	120 – 150 g/m ²
Addition of hardener	50% 403375 HELIODUR hardener 75
Thinning	Electrostatic spraying: 20 – 50 % 407650 HELIODUR thinner E Air, airmix, airless spraying 20 – 30% 403851 HELIODUR thinner or at high temp. 407648 HELIODUR thinner
Inter-layer drying	Min. 2 hours at 20°C, min. 8 hours after the 2nd coat
Number of coats	1 – 2

HELIODUR enamel - mix (different colour shades, 10 - 90% gloss)

Application	Spraying (electrostatic, air, airmix, airless)
Application quantity	100 – 130 g/m ²
Addition of hardener	50% 403375 HELIODUR hardener 75
Thinning	Electrostatic spraying: 20 – 50 % 407650 HELIODUR thinner E Air, airmix, airless spraying 20 – 30% 403851 HELIODUR thinner or at high temp. 407648 HELIODUR thinner
Drying	2 – 3 hours at 20°C / 1 hour at 30 - 50°C
Stacking/packaging	After min. 24 hours

CERTIFICATES

HELIODUR coatings are in accordance with the European EN 71-3 standard (Toy Safety).



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