



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)

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

## TRANSPARENT TREATMENT SYSTEM BASE AND TOP LACQUER

### HELIODUR base lacquer

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

### HELIODUR lacquer V (5 - 90% gloss)

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





## PIGMENTED TREATMENT SYSTEM BASE AND TOP ENAMEL

### HELIODUR basic enamel white

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

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

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

## CERTIFICATES

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





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