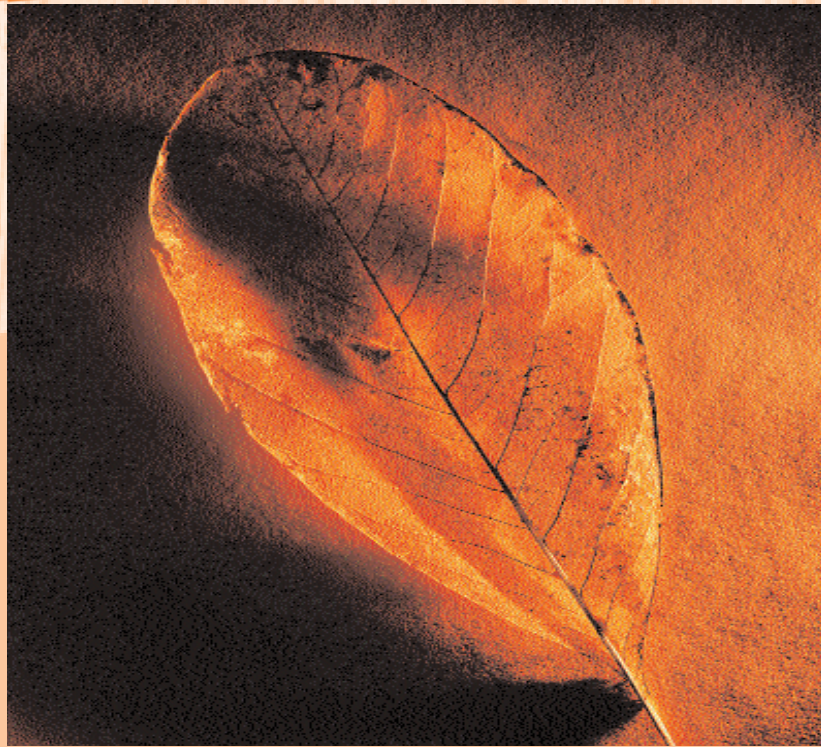


# CN-LACQUERS, COLOURLESS



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CN-lacquers, also called NC- or Nitro-lacquers, are mainly based on the raw material nitrocellulose. Their fast drying is characteristic. At normal use Hesse CN-lacquers are almost universally applicable for furniture and interior completion. They are known for a very good film bracing, elegant feel and their pleasant look, which expressively accentuates the character of the wood. Wood with a rich content of wood substances should be isolated with Hesse-PUR Base coat before Hesse-CN lacquers are applied. Damaged CN-lacquered surfaces can be easily repaired by solving with CN-lacquers.

Hesse CN Multicoat lacquer FF 31x (degree of gloss) and Hesse 1C-Finish EH 37. (degree of gloss) are fast drying, one-component, PVC-resistant finishes. The advantage over conventional CN-Lacquers is their PVC-resistance. They dry without releasing formaldehyde.

By using high quality, resistant synthetic resins in connection with physically drying binders, seal-typical surface are produced. The Hesse CN Finishes are any time applicable directly from the can, rest material remains applicable. Hesse CN Multicoat lacquer FF 31x (degree of gloss) and Hesse 1C-Finish EH 37. (degree of gloss) are easily and universally applicable as base- and top coat. Surfaces produced with these products are touch-friendly, resistant, water and alcohol resistant and PVC-fast. The Hesse CN Multicoat lacquer FF 31x (degree of gloss) is the consequent follow-up of the philosophy to develop products with lowest pollution potential, for both the environment as well as the processor. Hesse CN Multicoat lacquer FF 31x (degree of gloss) is formulated on basis of alcoholic solvents and free from aromatic compounds. The solvents released when drying, are easily biodegradable. Solid wood treated with this product is biodegradable and can be disposed unproblematic.

## Hesse CN-Base coat NG 380

Clear, well filling, fast drying and powdery sandable nitrocellulose- base coat. Tried and tested sanding sealer, applicable in combination with Hesse CN-Hard lacquers.

### Fields of application

Living furniture, interior decoration, etc.

### Application example

Cabinet, natural cherry tree, silky gloss

- Wood sanding (graduated) grain 120/150/180
- 1-2 x base coating with 150 g/m<sup>2</sup>  
Hesse CN-Base coat NG 380
- Drying at least for 30 min at 20°C
- Intermediate sanding with grain 280
- 1x finishing with 100 g/m<sup>2</sup>  
Hesse CN-Hard lacquer NH 367
- dust dry after 10-15 min
- packable after drying for at least 6 h

### Technical data

Delivery viscosity:  
35-40 sec/DIN 4 mm/20°C.

### Application

Spraying:

Air spraying (cup):

Nozzle size: 1,8-2,0 mm

Spray pressure: 2,5-3,5 bar

Airless:

Nozzle size: 0,23-0,28 mm

Spray pressure: 100-150 bar

Airmix:

Nozzle size: 0,23-0,28 mm

Spray pressure: 60-100 bar

Atomizing pressure: 1,5-2,5 bar

Curtain coating: applicable



- Free from phthalate plasticizers, therefore also applicable for the coating of children's toys and baby accessories
- Free from wood preservatives
- Free from formaldehyde
- After finish with Hesse CN-Hard lacquer NH 36. following test standards are fulfilled:
  - DIN 68861 – part 1C (Furniture surfaces; behaviour at chemical strain)
  - DIN EN 71, part 3 (safety of toys)
  - DIN V 53160, part 1 and part 2 (resistance to saliva and sweat simulation): no discoloration (level 5)

### Order information

Order no.:	<b>NG 380</b>
Packaging sizes:	5/25 litres
Efficiency per litre:	5 m <sup>2</sup> per step including overspray
Code no. thinner:	<b>NV 390, NV 394</b>
Retarder:	<b>ZD 3936, DV 499,</b> add max. 5%
Cleaning thinner:	<b>NV 395, ZD 82</b>





## Hesse CN-Top coat NH 36. (degree of gloss)

Clear, scratch- and scrub resistant nitrocellulose-top coat.  
Hard lacquer with very elegant surface.

- Free from phthalate plasticizers, therefore also applicable for the coating of children's toys and baby accessories

### Fields of application

High quality living furniture

### Processing example

Sideboard, walnut, semi mat

- Wood sanding (graduated) with grain 120/150/180
- 1x base coating with 150 g/m<sup>2</sup>  
Hesse CN-Base coat NG 380
- Drying 30 min. at 20°C
- Intermediate sanding with grain 220
- 1x finishing with 100 g/m<sup>2</sup>  
Hesse CN-Top coat NH 364
- dust dry after 10-15 min.
- packable after drying over night, at least 16 h

### Technical data

Working viscosity:  
25 sec/DIN 4 mm/20°C.

### Application

Spraying:

Air spraying (cup):

Nozzle size: 1,8-2,0 mm

Spray pressure: 2,5-3,5 bar

Airless:

Nozzle size: 0,23-0,28 mm

Spray pressure: 100-150 bar

Airmix:

Nozzle size: 0,23-0,28 mm

Spray pressure: 60-100 bar

Atomizing pressure: 2,0-2,5 bar

Curtain coating: applicable

### Important advices

Hesse CN-Top coat NH 369 (glossy) can be polished and buffed. Ask for specific technical information "Polishing".

For pvc-fast surfaces use Hesse CN Multicoat lacquer FF 31. or Hesse PUR Multicoat lacquer.

### Order information

Order no.:

mat **NH 362**

semi mat **NH 364**

silky gloss **NH 367**

glossy **NH 369**

Packaging sizes: 5/25 litres

Economy per litre: 6-8 m<sup>2</sup> each step  
including overspray

Code no. thinner: **NV 394**



## Hesse CN Multicoat lacquer NE 35. (degree of gloss)

Colourless multicoat lacquer based on nitrocellulose for universal application. Applicable as base and top coat, ensuring an easy and fast processing. Resistant to water and potable spirits. Free from formaldehyde.

### Fields of application

Living furniture, interior completion etc.

### Processing example

Wood ceiling, natural oak, semi mat

- Wood sanding with grain 120-150
- 1 x base coating with 150 g/m<sup>2</sup> Hesse CN Multicoat lacquer NE 354
- Drying 30 min. at 20 °C
- Lacquer sanding with grain 220
- 1 x finishing with 100 g/m<sup>2</sup> Hesse CN Multicoat lacquer NE 354
- dust dry after 10-15 min.
- Packable after drying over night, at least 16 h

### Technical data

Working viscosity:

50 sec/DIN 4 mm/20°C.

### Application

Spraying

Air spraying (cup):

Nozzle size: 1,8-2,0 mm

Spray pressure: 2,5-3,5 bar

Airless:

Nozzle size: 0,23-0,28 mm

Spray pressure: 100-150 bar

Airmix:

Nozzle size: 0,23-0,28 mm

Spray pressure: 60-100 bar

Atomizing pressure: 2,0-2,5 bar

Curtain coating: applicable

### Important advices

For pvc-fast surfaces use Hesse Multicoat lacquer

FF 31. or Hesse PUR Multicoat lacquer DE 55.



- Free from phthalate plasticizers, therefore also applicable for the coating of children's toys and baby accessories

- DIN 68861 – part 1C (Furniture surfaces; behaviour at chemical strain)

- DIN EN 71, part 3 (safety of toys)

- DIN V 53160, part 1 and part 2 (resistance to saliva and sweat simulation): no discoloration (level 5)

- Free from wood preservatives



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- Free from formaldehyde

### Order information

Order no.:

dull mat **NE 350**

mat **NE 352**

semi mat **NE 354**

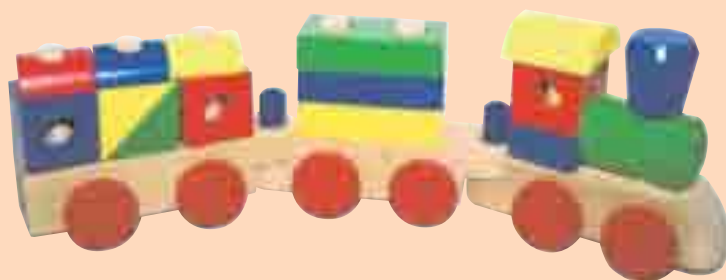
silky gloss **NE 357**

gloss **NE 359**

Packaging sizes 5/25 litres

Economy per litre: 5-7 m<sup>2</sup> each step  
including overspray

Order no. thinner: **NV 394**



## Hesse CN Multicoat lacquer FF 31. (degree of gloss)

Odourless, aromates-free, PVC-fast one-component nitrocellulose lacquer. Multicoat lacquer for base and top coating, with significantly lower smell by solvents on alcohol basis. VOC emissions fulfill the demands according to RAL RG 430 and RAL UZ 38.



- Free from phthalate plasticizers, therefore also applicable for the coating of children's toys and baby accessories

### Fields of application

Complete interior completion in the living sector; ideal for inside coating of cupboards and for children's toys.

### Processing example

Wardrobe system, inside coating, semi mat

- Wood sanding (graduated) with grain 120 / 150 / 180
- 1 x base coating with 120-150 g/m<sup>2</sup> Hesse CN Multicoat lacquer FF 314
- Drying at least for 45 min at + 20°C
- Lacquer sanding with grain 320
- 1 x finishing with 100 g/m<sup>2</sup> Hesse CN Multicoat lacquer FF 314
- dust dry after 10-15 min.
- packable after drying of at least 6 hours

### Technical data

Working viscosity  
25 sec/DIN 4 mm/20 °C

### Application

Spraying	
Air spraying (cup):	
Nozzle size:	1,8-2,0 mm
Spray pressure:	2,5-3,5 bar
Airless	
Nozzle size:	0,23-0,28 mm
Pressure:	100-150 bar
Airmix:	
Nozzle size:	0,23-0,28 mm
Spray pressure:	60-100 bar
Atomizing pressure:	2,0-2,5 bar
Curtain coating:	applicable

### Important advices

After drying and intermediate sanding, finish only with material of the same series. Full PVC-resistance is reached after 2-3 week.



- DIN 68861 – part 1C (Furniture surfaces; behaviour at chemical strain)
- DIN 68861 – part 4E (mechanical resistance)
- DIN 68861 – part 7D and 8C (dry heat)
- PVC-resistance according to Rosenheim direction Test report no.: 264001 and 264001/1
- DIN EN 71, part 3 (safety of toys)



- Free from wood preservatives



- Test report IWQ 3701009i: Emissions of VOC and formaldehyde fulfill the demands according to RAL RG 430 and RAL UZ 38 New: Smell meets DGM-demands

### Order information

Order no.:	
dull mat	FF 310
mat	FF 312
semi mat	FF 314
silky gloss	FF 317
Packaging sizes	1/5/10/25 litres
Efficiency per litre:	5-7 m <sup>2</sup> per step including overspray
Code no. thinner:	NV 393

## Hesse 2-component Reactive System RSE 95. (degree of gloss)

Two-component multicoat system with better chemical and mechanical resistance values than CN-lacquers. The quality level of this material ranges between CN and PUR systems. The system has a very high solids content in the mixture and a pot life of 5 working days. Also available as coloured system.

### Fields of application

Doors for the interior sector, resistant living furniture, e.g. kitchens

### Processing example

Wall panel, mat

- Wood sanding with grain 120 - 150
- 1 x base coating with 150 g/m<sup>2</sup>  
Hesse 2C-Reactive system RSE 952  
mixture 10:1 with Hesse Hardener RSR 910
- Drying at least 1 hour at room temperature +20°C
- Lacquer sanding with grain 320
- 1 x finishing with 100 g/m<sup>2</sup>  
Hesse 2C-Reactive system RSE 952  
mixture 10:1 with Hesse Hardener RSR 910
- dust dry after 10-15 minutes
- packable after drying for at least 16 hours

### Technical data

Mixing ratio 10:1 with hardener RSR 910

Working viscosity:

52-59 sec/DIN 4 mm/20°C

Pot life: 5 days

### Application

Spraying

Air spraying (cup):

Nozzle size: 1,8-2,0 mm

Spray pressure: 2,5-3,5 bar

Airless:

Nozzle size: 0,18-0,23 mm

Spray pressure: 100-150 bar

Airmix:

Nozzle size: 0,23-0,28 mm

Spray pressure: 60-100 bar

Atomizing pressure: 1-2 bar

### Important advices

Material cannot be used on white substrates, because it tends to dark yellowing. Do not use on bleached substrates! Do not use in combination with CN-lacquers!



- Free from phthalate plasticizers, therefore also applicable for the coating of children's toys and baby accessories
- DIN 68861 – part 1C (Furniture surfaces; behaviour at chemical strain)
- DIN EN 71, part 3 (safety of toys)
- DIN V 53160, part 1 and part 2 (resistance to saliva and sweat simulation): no discoloration (level 5)
- Free from wood preservatives

### Order information

Order no.:

mat **RSE 952**

semi mat **RSE 954**

silky gloss **RSE 957**

Packaging sizes: 1/5/10/25 litres

Code no. hardener: **RSR 910**

Packaging sizes: 0,1/0,5/1/5 litres

Economy per litre: 5-7 m<sup>2</sup> each step  
including overspray

Code no. thinner: **RV 991**

