

ARTICLE: AQUA-NATURAL-EFFECT
ITEM-NO.: JM8420-1-001
SYSTEM: Water-Based, 2C Matt Lacquer



PRODUCT PROPERTIES

Aqua-Natureffekt JM8420-1-001 is a transparent, water-based, 2C matt lacquer and is characterised by:

- very high mechanical resistance
- very pleasant touch
- very high wear resistance
- extra high chemical resistance
- high stability to gloss

SCOPE OF APPLICATION

Suitable for coating of:

- several solid timbers (Except tropical and ingredient rich woods)
- veneered substrates

The product is well suited for the application on:

- furniture surfaces

TECHNICAL DATA

- Colour: transparent
- Gloss level: natural effect
- Viscosity: 25-30 s DIN 53211/ 4 mm
- Density: approx. 1,04 g/cm³

APPLICATION



Application quantity per layer (g/m ²)	80-120	
Quantity of applied layers	1-2	
Jet nozzle (mm)	1,5-1,8	0,28-0,33
Air pressure (bar)	2,5-3,0	1,0-2,0
Material pressure (bar)		100-120

DRYING

HARDENER, THINNER, RETARDER

Dust-dry after	2 h		Hardener	10:1 by volume with hardener JH8410-0-001
Sandable after	4 h		Pot life	with hardener JH8410-0-001: 4 h (shortens at high temperatures)
Overcoatable after	4 h		Thinner	If necessary: water add max.: 10 %
Stackable after			Retarder	-
Completely dried after	48 h			
Cured after				
(at 20 °C and 35-65 % relative humidity and depending on the applied quantity)				

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STORAGE



Store material in a tightly closed container and under dry and cool conditions. Protect from frost.

Shelf life:

JM8420-1-001: 12 months

Hardener JH8410-0-001: 6 months

(when stored in the original unopened containers)

CLEANING



Clean tools immediately after use with

- Water or
- UNI-CLEAN JT1803-0-001or
- Aqua-Clean JZ9460-0-001*

*Diluted with 80 parts water and 20 parts JZ9460-0-001

SPECIAL GUIDANCE

- Stir well before using!
- Hardener and lacquer must be thoroughly mixed!
- The substrates which should be coated have to be conditioned 12 hours before coating.
- It is recommended to perform preliminary trials to test the suitability of the coating system with the desired substrate.
- The surfaces have to be perfectly sanded, dry, free of grease, oil and silicones before the application.
- High humidity and a moisture content above 10% must be avoided at all costs. High humidity leads to longer drying times. The indicated times depend on the application quantity, the room temperature and the relative humidity.
- Protect the containers from drying out and always close them tightly immediately after removing the material.
- Avoid contact with iron, copper, zinc and aluminium. Use equipment made of rustproof materials only.
- Thinners or solvents of conventional lacquers must not get into the water-based lacquer.
- When opening the container, do not allow any encrusted lacquer residues to fall into the lacquer. These do not dissolve and can only be removed by sieving. Do not allow lacquer residues to enter the sewer system, but dry out and dispose of with industrial waste.
- When changing from water-based lacquer to solvent-based lacquers, thoroughly rinse spray equipment with diluted Water-based Lacquer Cleaning Concentrate JZ9460-0-001, then with water, then with Uni Clean JT1803-0-001 or DD Thinner JT1244-0-001. When changing to water-based lacquers again, clean in reverse order.

TESTING STANDARDS

- DIN EN 71, part 3 free of extractable heavy metals
- DIN-68861-1B chemical resistance
- DIN ISO 2409 GT 0 adhesion
- DIN 53160 Resistance to perspiration and saliva
- Decopaint-compliant
- DGNB quality level 3 criteria for coatings on non-mineral substrates

Safety guidance:

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