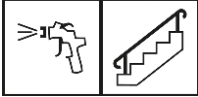


ARTICLE: 1C+2C AQUA-STEP
ITEM-NO.: AS 490
SYSTEM: Water-Based, 1C + 2C Staircase Lacquer



PRODUCT PROPERTIES

1C+2C AQUA-STEP AS 490 is a water-based, 1C + 2C staircase lacquer and is characterised by:

- high abrasion resistance
- good stability on vertical surfaces
- ideal suitability for coating stair components
- very high light stability

SCOPE OF APPLICATION

Suitable for coating of:

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

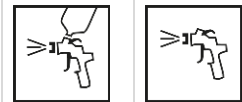
The product is well suited for the application on:

- staircase components and steps

TECHNICAL DATA

- Colour: transparent
- Gloss level: AS 490-3: semi-matt,
AS 490-5: matt
- Viscosity: 60-80 s DIN 53211/ 6 mm
- Density: approx. 1,20 g/cm³




APPLICATION



Application quantity per layer (g/m ²)	120-160	
Quantity of applied layers	1-3	
Jet nozzle (mm)	2,0-2,5	0,28-0,33
Air pressure (bar)	3-4	1-2
Material pressure (bar)	100-120	

DRYING

HARDENER, THINNER, RETARDER

Dust-dry after	0,5 h		Hardener	10:1 by volume with hardener AH 410
Sandable after	2-3 h		Pot life	with hardener AH 410: 2 h (shortens at high temperatures)
Overcoatable after	6-7 h		Thinner	If necessary: water add max.: 10 %
Stackable after			Retarder	-
Completely dried after	48 h			
Cured after	7 d			
(at 20 °C and 35-65 % relative humidity and depending on the applied quantity)				

Item No.: AS 490

STORAGE



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

Shelf life:

AS 490: 12 months

Hardener AH 410: 6 months

(when stored in the original unopened containers)

CLEANING



Clean tools immediately after use with

- Water or
- AC 460*

*Diluted with 80 parts water and 20 parts AC 460

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 AC 460, then with water, then with Uni Washing Solvent V 803 or DD Thinner V 2244. When changing to water-based lacquers again, clean in reverse order.

TESTING STANDARDS

- EN 71, part 3 free of extractable heavy metals
- DIN-68861-1B chemical resistance
- DIN ISO 2409 GT 0 adhesion
- resistance to cream and sweat

Safety guidance:

The information in this technical data sheet is based on the current knowledge and experience of PLANTAG Coatings GmbH. The product processor is not exempted from its own testing and testing of the products with regard to the intended use as well as the wealth of possible influences during processing and application. Existing laws and regulations are to be observed by the recipient of our products in their own responsibility. Labeling in accordance with the Ordinance on Hazardous Substances and Transport Law can be found in the safety data sheet. A legally binding assurance of certain properties or suitability for a specific purpose cannot be derived from our information. Recommendations deviating from the information in our technical data sheets are only binding for us if they have been confirmed in writing. Our terms and conditions are an integral part of this technical information sheet [Jun-23]

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