

Arova Neosol

11400 ff

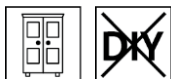
Solvent-based **stain mixing system** for hardwood for **industrial and professional use**

PRODUCT DESCRIPTION

General

Solvent-based stain mixing system based on lightfast special dyes for bright, not grain accentuating stain colours on hardwoods. The dilution or brightening can be done either with Arova Neosol Farblos 11400 (solvent-based) or with water. With the three basic stains yellow, red and black a variety of stain colours can be mixed.

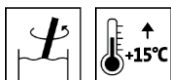
Application areas



- For staining fine and coarsly pored hardwoods, if a colourful, not grain accentuating stain pattern is to be achieved.
- Arova Neosol is especially recommended for beech, maple, walnut, cherry, birch, alder, pear, oak and ash woods.
- Depending on the furniture varnish used, the product is suitable for surfaces of furnitures and interior finishing in application areas II – IV according to ÖNORM A 1610-12.
- Surfaces stained with Arova Neosol 11400 ff can be overcoated with both solvent-based or water-based wood varnishes.
- Application in combination with a suitable topcoat system.

PROCESSING

Instructions for use



- Please stir product well before and during use.
- The temperature of the product and object, and the room temperature must be at least + 15 °C.
- Ensure an even stain application!
- A staining application with Airmix or Airless low pressure device is also possible. If brightened with water an application with brush or sponge is also possible on small dimensioned surfaces.
- In the case of coarse-pored hardwoods such as ash or oak, a pore-accentuated stain pattern can be achieved if the stain is spread across and then along direction of the wood fibre shortly after application.
- The color changes if the liquid stain comes into contact with metal.
- Do not empty the stain from the spray gun or contaminated with wood dust back into the container with the original stain.
- Various types of wood such as Oak contain water-soluble substances, which become active when overcoating with water-based furniture varnishes. To prevent discolouration or marks

(these can be more or less pronounced depending on the origin of the wood), when painting oak, larch and other types of wood rich in active substances we therefore recommend priming them first with ADLER PUR-Primer 25291.

- Please follow our “**Working guidelines for staining wood**”.
- Please observe the relative technical data sheets of the products.

Application technique



Application method	Cup gun
Spray nozzle (ø mm)	1.5
Spraying pressure (bar)	1.5 – 2.0
Application quantity per application (g/m ²)	approx. 40 - 50
Yield per application (m ² /l) ¹⁾	approx. 8
¹⁾ Yield including addition of thinner and loss while spraying	

The shape and properties of the substrate affect the consumption/yield. Accurate values for consumption must be obtained by applying trial coats in advance.

Drying times

(at 23 °C and 50 % rel. humidity)



Arova Neosol and mixtures with Arova Neosol farblos 11400:

Recoatable (solvent-based paints)	after approx. 30 min.
Recoatable (water-based paints)	after 1 hour

Mixtures Arova Neosol with water:

Recoatable (solvent-based paints)	after approx. 12 hours preferably overnight
Recoatable (water-based paints)	after approx. 5 hours

If necessary, a forced drying is also possible.

The figures given above are reference values. The drying time depends on the type of substrate, coat thickness, temperature, air exchange and relative atmospheric humidity.

Cleaning the working equipment



The tools can be pre-cleaned with water. The main cleaning should be carried out with ADLER Waschverdünnung 80077 or with Arova Neosol Farblos 11400.

SUBSTRATE

Type of substrate

Fine and coarsely pored hardwoods such as beech, maple, walnut, cherry, birch, alder, pear, oak and ash.

Substrate property

The substrate must be dry, clean, capable of holding the paint, and it must be free of grease and wax and free from wood dust.

Preparation of the substrate

Grit size 150 – 180

Thoroughly remove sanding dust–, especially from the wood pores–.

Dull abrasive paper and uneven sanding can lead to a spotty stain pattern.

It is advantageous to soak the sanded wood and after drying smooth sanding with grit size 150-180; if the wood is brightened with water, this step is absolutely necessary for oak.

COATING SYSTEM

Stain application

Apply the stain twice wet in wet uniformly along the direction of the wood fibre; when brightened with water, the surfaces should appear slightly wet. Less absorbent wood types require less application compared to more absorbent timber.

Subsequent coating

Arova Neosol 10400 ff can be recoated with water-based as well as solvent-based ADLER furniture varnishes. For light stain colour shades, as a matter of principle we recommend using lightfast paints such as ADLER Legnopur 26211 ff or ADLER Aqua-Resist 30460 ff. When using non-lightfast types of paint, it can be expected that the final color will appear slightly yellowish; this effect increases with aging.

ORDERING INFORMATION

Size of trading unit

0.9 l; 4 l

Colour shades / degrees of gloss**Basic colours**

Basisbeize Gelb	11401
Basisbeize Rot	11402
Basisbeize Schwarz	11403

**Standard colours
(ready to use colours)**

Jupiter	11405
Mars	11406
Neptun	11407
Venus	11408
Saturn	11409

Brightener

Max. quantity to be added 1 (stain) : 30 (Brightener)

Neosol Farblos	11400
Water (drinking quality)	

Stain concentrates

Max. quantity to be added 10 % on stain

Blau	89808
Weiß	89809

The basic stains can be mixed with each other and, if required, diluted with Arova Neosol Farblos 11400 or with water up to a maximum mixing ratio of 1 : 30 - just like the standard colour shades (finished stains).

Prior to applying the stain and the coating, you should always stain a sample on the original wood and treat it with the intended coating material in order to assess the final colour shade. For a commission, therefore, only use stain from the same batch.

This technical data sheet applies to all colours of Arova Neosol 10400 ff and 1008 & colour shade number.

Supplementary products

ADLER Nitroverdünnung 80001
 ADLER Waschverdünnung 80077
 ADLER PUR-Primer 25291
 ADLER Legnopur 26211 ff
 ADLER Aqua-Resist 30460 ff

FURTHER DETAILS

Durability / storage

At least 1 year in the original sealed containers. Water-free mixtures: at least 3 months; staining/water mixtures: max. 1 month. If bacterially contaminated water is used, the storability of the mixture is affected.

Store cool but frost-free.

Safety-related information

Further information on the subject of safety during transport, storage and handling as well as disposal can be found in the relevant safety data sheet. The current version can be accessed on the Internet at **www.adler-lacke.com**.

The product is only suitable for industrial and professional use.

In general, inhaling paint aerosols must be avoided. This is ensured by correctly using a respiratory mask (combination filter A2/P2 – EN 141/EN 143).
