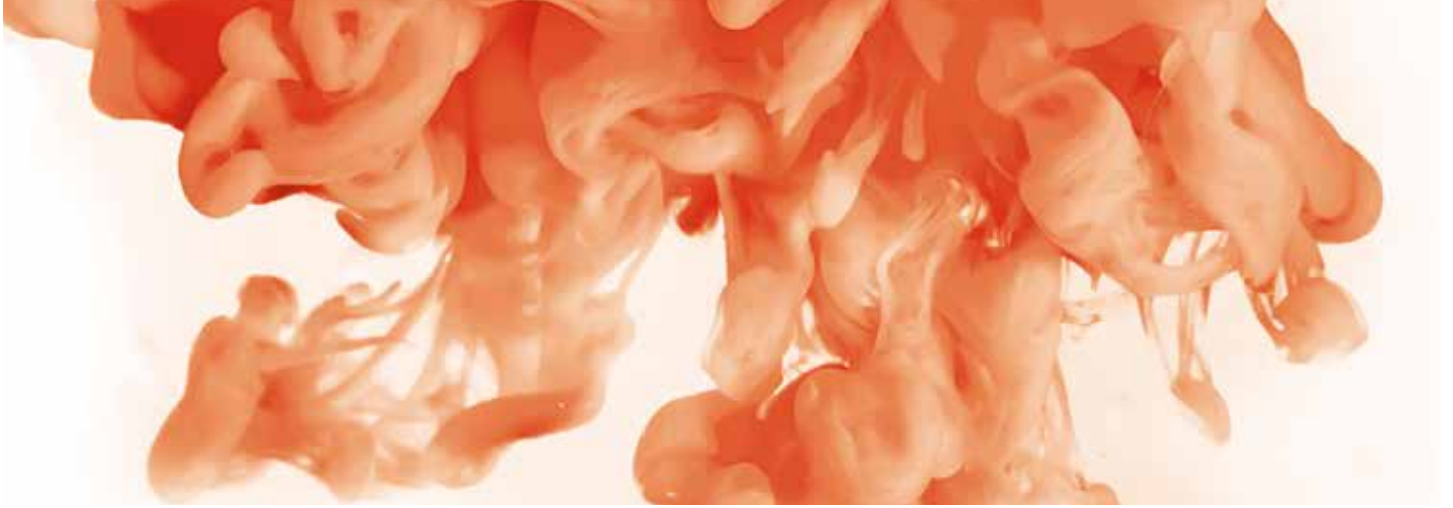


Thinner



The right choice of thinner is crucial to obtain a good result when painting.

- > PU Thinner
- > NC Thinner
- > Stain Thinner
- > Proterra Thinner
- > Cleaning Thinner



There are many different compositions of thinners for various applications. The right choice of thinner is crucial to obtain a good result when painting. We make a distinction between thinners to change the viscosity of paint, and thinners to clean equipment, known as “cleaning thinners” or “equipment cleaners”. As well as thinners which evaporate quickly (short-thinners) and those which evaporate slowly (long-thinners), a distinction is also made between thinners which dissolve powerfully and those which dissolve weakly. To make choosing the right thinner easier, this brochure sets out the product range with a summary of their most important properties.

Speed of evaporation

A thinner is often a mixture of various solvents. The speed of evaporation of a thinner depends on the solvents used in the formula. Every solvent has an individual speed of evaporation, which is shown as a number/value. This evaporation rate is based on a comparison with the most rapidly evaporating solvent, ether. A solvent with evaporation rate 2 accordingly evaporates twice as slowly as the same quantity of ether under the same conditions (temperature, air humidity and movement of air).

We roughly divide the speed of evaporation into five groups:

■					very fast	Evaporation rate	< 5
■	■				fast	Evaporation rate	5 - 10
■	■	■			medium	Evaporation rate	10 - 35
■	■	■	■		slow	Evaporation rate	35 - 50
■	■	■	■	■	very slow	Evaporation rate	> 50

Solvent power

The solvent power indicates how powerful the thinner can release the binder from the paint or lacquer. This is deduced from the quantity of thinner needed to dilute a paint or lacquer. Only a little is required to dilute a defined paint in the same way when using a solvent with high solvent power, significantly more for a solvent with low solvent power. A good cleaning thinner contains a solvent with high solvent power, to ensure that dried paint residues can be dissolved and removed. As there are very many different types of binder, many types of thinner are needed accordingly to suit these.

The combination of solvents is what gives a thinner its specific properties and therefore determines the suitability of the application.

Aromatic compounds

Aromatic compounds are substances which were originally ingredients of many thinners. However, measures are increasingly being taken on an international level to prevent the use of aromatic compounds.

Even more thinners

In addition to the "standard" thinners included in this brochure, the Hesse product range contains further special thinners for special applications. If you cannot find a suitable thinner for your application in this brochure, please get in touch with your Hesse contact, or contact us via our website (www.hesse-lignal.de/Service).

PU Thinner

Thinner suitable for thinning PU lacquers:

DV 4991	Very fast thinner *	■				
DV 4900	Universal fast thinner	■	■			
DV 4994	Medium-fast standard thinner *	■	■	■		
DV 4935	Medium-fast thinner, slightly longer than DV 4994	■	■	■	■	
DV 4909	Standard retarder	■	■	■	■	■
DV 4981	Very slow thinner *	■	■	■	■	■

NC thinner

Thinner suitable for thinning nitrocellulose lacquers:

NV 3917	Very fast nitro thinner *	■				
NV 3990	Fast standard thinner *	■	■			
NV 3900	Universal medium-fast thinner	■	■	■		
NV 3999	Slow thinner *	■	■	■	■	
ZD 3936	NC retarder *	■	■	■	■	■

Stain thinner

Thinner suitable for thinning solvent-based stains.

CV 584	Very fast stain thinner *	■				
CV 501	Fast stain thinner *	■	■			
CV 553	Standard medium-fast stain thinner *	■	■	■		
CV 555	Stain retarder *	■	■	■	■	■

Proterra Thinner

Thinner suitable for thinning Proterra and Hesse oils:

GV 1701	Fast thinner for Proterra Resit *	■	■			
OV 1200	Very slow thinner for Proterra and Hesse oils *	■	■	■	■	■

* aromatic-free

Equipment cleaner:

RV 1	Rinsing thinner for cleaning equipment	■	■			
ZD 82	Very fast cleaning thinner with high solvent power *	■				
HV 6917	Cleaning thinner for cleaning Hydro lacquer equipment *	■				
UV 7100	Thinner for cleaning UV paint rollers *	■	■	■		
UV 7572	Cleaner for 2K UV product machines *	■	■	■		
HV 6904	Rinsing thinner for changing from HYDRO to solvent lacquer or vice versa *	■	■			
UV 7111	Thinner for cleaning UV lamps *	■	■	■		

Belt cleaner:

HY 6998	Standard belt cleaner *	■	■	■		
HY 6999	Belt cleaner for very dirty belts *	■	■	■	■	

Glass cleaner:

ZD 101	Cleaning thinner for cleaning glass *	■	■			
HS 6601	Hydro glass cleaner *	■	■	■		

Cleaner for paste mixing machines:

OS 5600	Universal cleaner for use in paste mixing machines *	■	■	■	■	■
CV 555	Cleaner for solvent paste mixing machines, slightly faster than OS 5600 *	■	■	■	■	■

* aromatic-free