Hesse Lignal
inspiring you

Overview thinner

Good painting results with the right choice of thinner.

- PU Thinner
- Proterra Thinner
- Cleaning Thinner

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".

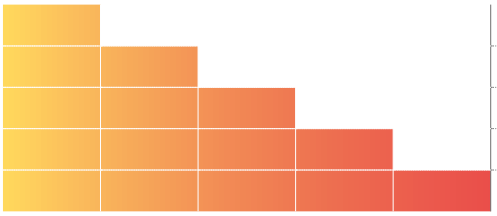
As well as thinners which evaporate quickly (short-thinners) and those which evaporate slowly (long-thinners), a distinction is also made between thinners which dissolve powerfully and those which dissolve weakly. To make choosing the right thinner easier, this brochure sets out the product range with 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. 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

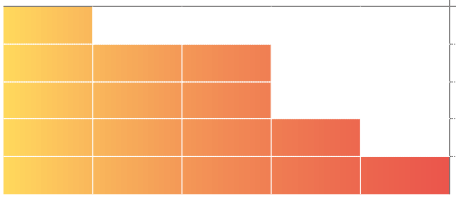
Aromatic compounds are substances which were originally ingredients of many thinners. However, measures are increasingly being taken on an international level to prevent the use of aromatic compounds.

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

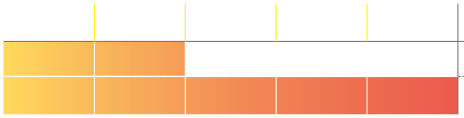
Thinner suitable for thinning PU lacquers:



Article-No.	Application
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 *

Proterra Thinner

Thinner suitable for thinning Proterra and Hesse oils:



Article-No.	Application
GV 1701	Fast thinner for Proterra Resit *
OV 1200	Very slow thinner for Proterra and Hesse oils *

Cleaning Thinner

Equipment cleaner:

Article-No.	Application
RV 1	Appliance Cleaner
ZD 82	Equipment Cleaner with High Dissolving Power *
HV 6917	Equipment cleaner for hydro lacquer systems *
HV 6904	Equipment converter for coating changeover from solvent-based coating to HYDRO coating *
UV 7100	Cleaner for UV coating rollers *
UV 7110	Cleaner for UV Coating Rollers (VOC-free)*
UV 7111	Cleaner for UV lamps *
UV 7572	Equipment cleaner for 2C-UV systems *

Belt cleaner:

Article-No.	Application
HY 6998	Standard belt cleaner *
HY 6999	Belt cleaner for very dirty belts *

Glass cleaner:

Article-No.	Application
HS 6601	Hydro glass cleaner *
ZD 101	Cleaning thinner for cleaning glass *

Cleaner for paste mixing machines:

Article-No.	Application
CV 555	Cleaner for solvent paste mixing machines *

* aromatic-free

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