# Technical Information

Hesse Lignal
inspiring you
Hesse GmbH & Co. KG, Warendorfer Str. 21, D 59075 Hamm
www.hesse-lignal.de

## Wood stains: bleaching coniferous wood

**Description/properties:**
This particularly positive effect for coniferous wood can only be created by using a chemical treatment including staining the wood both before and after. A suitable substrate for this treatment is usually solid northern pine, but spruce can also be used.

Wood stain is applied as liquid both before and after treatment in a tenfold concentration. Depending on the treatment method, 1 litre is enough then for 50-80 m².

**Treatment:**

Wood preparation:
- Sand down using 100-120 grit sandpaper (non-ferrous sandpaper)
- Remove dust
- If the wood is particularly resinous, remove the resin using HBV 243 wood cleaner.

Pre-staining
- BH 59-21490 soft wood pre-stain
  mixed ratio of 1 part wood stain + 10 parts water
- Apply wood stain as described in a), b) or c):
  a) Apply liberally using a plastic sponge, allow to act for a few minutes, then wipe away any excessive wood stain with the sponge.
  b) Spray evenly using a bucket gun (1.5 mm nozzle, 2 bar pressure, throttled supply of wood stain).
  You may need to spread the wood stain gently.
  c) Leave to soak in the wood stain for 5-10 seconds, remove and leave to drip dry.
  Spread the drops using a plastic sponge.

Drying:
3 to 6 hours at room temperature (20 °C)

Post-staining
- BH 59-21491 soft wood post-stain
  mixed ratio of 1 part wood stain + 10 parts water
- Apply wood stain as described in a), b) or c):
  a) Apply liberally using a plastic sponge, allow to act for a few minutes, then wipe away any excessive wood stain with the sponge.
  b) Spray evenly using a bucket gun (1.5 mm nozzle, 2 bar pressure, throttled supply of wood stain).
  You may need to spread the wood stain gently.
  c) Leave to soak in the wood stain for 5-10 seconds, remove and leave to drip dry.
  Spread the drops using a plastic sponge.

# Technical Information

Hesse GmbH & Co. KG, Warendorfer Str. 21, D 59075 Hamm
www.hesse-lignal.de

## Wood stains: bleaching coniferous wood

Drying:
12-16 hours.

Further treatment:
- All current PUR varnishes and Proterra products.
- Other varnishes/coatings are available on request!

Possible variation in shade (lighter):
- The mixture ratio of the pre-stain to water is changed in order to alter this. Dilution ratio is 1 part pre-stain to 10-100 parts water.
- The post-stain must only ever be diluted to 1: 10!

**Specific advice:**
The colour and effect produced by the wood stain is significantly affected by the quality of the wood used. Pinewood produces browner shades whereas spruce produces greener shades.

**Please note:**
The present information is advisory in nature. It is based on the best knowledge and on careful inspections in accordance with the current level of technology. Legal obligation cannot be derived from this information. We also refer to our terms and conditions.
The Material Safety Data Sheet according to the regulation (EC) No. 1907/2006 is available.