



Technical Information Sheet

Article No. 2250-92

HK Stain

Decorative, liquid wood preservative stain for use outdoors

Range of use

HK Stain is used for coating cladding, fences, gates, pergolas, garden pavilions, roof eaves, gables, facades, etc.



Property profile

This stain preservative is used to protect timber without ground contact in outdoor areas corresponding to service classes 2 and 3 in accordance with EN 335-1 or DIN 68800-1 against soft rot and blue stain. It also protects the wood from wetness and sun. The stain does not flake or peel. A higher solid content prevents gnawing by wasps. The coating also contains a film preservative to protect the film from microbial infestation, e.g. mould and algae.

Characteristic data of the product

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| Density: | approx. 0.87 g/cm ³ at +20 °C |
| Viscosity: | approx. 80 sec ISO 2431/3 mm at +20 °C |
| Degree of gloss: | silk matt |
| Odour: | Odourless after drying |
| Flash point: | approx. 63 °C |
| Packaging: | 0.75 l, 2.5 l, 5 l and 20 l tin containers |
| Colours: | 2250 stone pine/larch, 2251 teak, 2252 ebony, 2253 chestnut, 2254 fir green, 2255 mahogany, 2256 palisander, 2260 nut wood, 2261 clear, 2262 pine, 2263 rustic oak, 2264 light oak, 2266 hemlock, 2268 white, 2269 Frisian blue, 2292 salt green |

Directions

Private users: Application by brush.
Professional operations: Application by dipping, flow coating; spraying only in closed facilities
HK Stain is ready to use after thoroughly stirring the stain or shaking the can. Remove old coatings such as thick-layer stains and finishing paints as well as bark and inner bark. The wood must be clean and dry. Apply the stain with a soft brush in the direction of the grain. After drying (approx. 12 hours), apply a second coat. In the case of oak, a coat of clear stain is recommended as a primer. Check colour, adhesion and compatibility with the substrate on the respec-

tive wood surface by setting up a trial area.
Do not apply at temperatures below 5 °C.
Permissible wood moisture for softwood max. 15 % and for hardwood max. 12 %.

Renovation coats: the substrate must be clean and dry. If necessary, sand the surface.

Close opened containers tightly after use and use the contents as soon as possible.

Notes

When coating with water based coating materials, always check adhesion. HK Stain clear, white

and hemlock should only be used for surfaces that are not directly exposed to weather such as roof eaves, etc. or only for priming. Species of wood such as oak, red cedar, afzelia, redwood, etc. that contain coloured, water soluble substances may "bleed" when exposed to precipitation which can cause stains on light-coloured masonry work or render. For this reason, we recommend that end grain areas be additionally sealed with a varnish or thick-layer stain in the same colour (use at least 2 coats). The bottom of end grain areas should also be undercut to form a drip edge.

Wood preservatives contain biocidal ingredients to protect wood from pests. To avoid risks to humans and the environment, they should only be used according to directions and only in the approved application areas. Avoid all unnecessary contact with this product. Misuse may harm health and the environment.

Open containers carefully and use the contents with care. Do not eat, drink or smoke when working, Keep away from sources of ignition; protect from electrostatic charges. Vapours may form explosive mixtures with air; do not inhale gasses or vapours. Use only in well-ventilated areas in professional operations. When coating windows and exterior doors, ensure good ventilation and interior ventilation. Keep all available windows and doors open (cross-ventilation, air exchange rate at least 5/h). Keep time spent in the work area to a minimum. Wash hands before pauses and after work.

Do not use on wood that will come in direct contact with food or animal feed. Do not allow this stain or leftovers to reach aquatic environments, the ground or sewer system. Application should only take place only on an impermeable base, if necessary cover with suitable material (plastic sheets). Treated wood must be stored until completely dry on a hard, impermeable base to prevent dripping product remains or contaminated

rain water from reaching the ground, aquatic environments or ground water or to recycle run-off product or to dispose of the product properly. Protect the environment (ground, aquatic environments, plants, etc.) from product splashes. The use of this product as well as the use of wood treated with this product is not permitted in the immediate vicinity of surface water (lakes, streams, ponds, etc.) since it could impair aquatic ecosystems. Take up run-off product and recycle or dispose of properly. With the exception of the insides of windows and doors, never use this product for treating wood surfaces in spaces where people gather. The "Code of Practice on Handling Wood Preservatives" issued by the German industrial association, Deutsche Bauchemie e.V., provides comprehensive information.

Tool, cleaning

Clean tools immediately after use with a thinner and dispose of the remains from cleaning properly.

Application rate

200-250 ml/m², applying at least 2 coats. Planed and very dense wood are less absorbent and may need 3 coats.

Drying

Approx. 12 hours at +20 °C/65 % relative humidity. Low temperatures and high humidity delay drying.

Active ingredients

100 g of this stain contain 1.50 g iod propinyl butylcarbamate.

Storage

Store cool, dry and protected from direct sunlight as well as frost in tightly closed, original containers in well-ventilated rooms out of reach of children. Smoking is prohibited in storage rooms.

VOC content

EU limit value for the product (Cat. A/e): 400 g/l (2010). This product contains max. 399 g/l VOC.

Safety data

Danger warning:

Irritates skin.

Sensitisation through skin contact possible.

Safety advice:

Keep out of reach of children.

Keep away from food, beverages and animal feed.

Avoid contact with skin.

In case of contact with skin, wash off immediately with plenty of soap and water.

Wear suitable protective gloves when working.

If swallowed, seek medical attention immediately and show packaging or label.

Limit value for hydrocarbon mixtures according to TRGS 900: 200 mg/m³.

Suitable protective gloves:

Cat. 4 according to EN 374 (e.g. "Tricotil" made by KCL).

When dipping and spray tunnel procedures are used, the use of a chemical protection suit is also required (at least Type 6, EN 13034).

Product contains: 3-iod-2-propinyl butylcarbamate and 2-butanonoxime. May cause allergic reactions.

Product Code: HSM-LV 30

First aid measures:

IF INHALED:

Remove victim to fresh air and keep at rest in a position comfortable for breathing.

If symptoms persist, get medical advice/attention.

If unconscious, place in a stable side position, also during transport.

IF ON SKIN:

Wash off immediately with plenty of soap and water and rinse thoroughly.
If skin irritation persists, get medical advice/attention.

IF IN EYES:

Rinse open eyes cautiously with water for several minutes and get medical advice/attention.

IF SWALLOWED:

Do NOT induce vomiting.
Do NOT give anything to eat or drink.
Call in a doctor immediately and show container or label!
Keep victim in a quiet resting position.

Disposal

Do not empty this product into drains or allow to reach the sewer system. Larger quantities of left-over product should be disposed of in the original container according to applicable regulations. Completely empty, clean containers should be recycled.

Waste Code No. 03 02 02
other wood preservatives that contain hazardous substances

Approval number

DE-2012-MA-08-00002
DE-2012-MA-08-00010-25

Labelling

Regulations on hazardous substances: Xi Irritating
Water hazard class (WGK): 2
ADR: n.a.

Use wood preservatives with care. Always read the label and product information before using.

The statements above are compiled from our field of production and according to the latest technological developments and application techniques.

Since application and working are beyond our control, no liability of the producer can be derived from the contents of this information sheet. Any statements made beyond the contents of this information must be confirmed in writing by the producer.

In all cases, our general conditions of sale are valid. With the publication of this Technical Information Sheet all previous editions are no longer valid.

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