

### >Product description

HYDRO Stains BG 200xx create brilliant to slightly subdued stain effects without significant emphasis of the pores. This water-based stain is environmentally friendly, directly ready to use and can be applied on virtually all woods. The associated stain cards in each case show 15 different stain tones demonstrating the diversity of this system.

### >Areas of application

For staining and subsequent coating of furniture, stairs and doors in industrial and craft applications. Suitable for various application methods, such as spraying or brushing. For use on various woods such as oak, beech, walnut, cherry, mahogany and maple.

### >Surface Preparation

|                                 |   |
|---------------------------------|---|
| Surface preparation             | The wood must be dry, dust-free and grease-free.                                  |
| Substrate sanding grits from-to | 120 - 180   |
| Comments on sanding             | The bare wood can optionally be dampened. After drying overnight, sand or smooth. |

### >Finishing

|           |  |
|-----------|--|
| Finishing | Recoatable after at least 2 h drying time with Hesse CN or PU lacquers by spraying, rolling, brushing or curtain coating. After 6 h drying, can be coated with the next coat of suitable 1C or 2C HYDRO lacquers such as HYDRO TOP-SIEGEL HE 6509x(gloss level) or HYDRO-PUR PRIMO HDE 5400x(gloss level) by spraying or flow coating. |
|-----------|--|

### >Times

|                           |                                       |
|---------------------------|---------------------------------------|
| Working Temperature Range | 16 - 25 °C                            |
| conditions of transport   | frost-free - up to a maximum of 35 °C |
| Drying                    | 6 h / 20 °C                           |

### >Application

| Application              | Nozzle size in mm | Spray pressure in bar | Atomising pressure in bar |
|--------------------------|-------------------|-----------------------|---------------------------|
| Manual application -all  |                   |                       |                           |
| Spreading                |                   |                       |                           |
| Roller coating           |                   |                       |                           |
| Smooth roller            |                   |                       |                           |
| Wiping sponge roller     |                   |                       |                           |
| Non-wiping sponge roller |                   |                       |                           |
| Spraying                 |                   |                       |                           |
| Airless                  | 0,23 - 0,28 mm    | 10 - 60 bar           |                           |
| Airless low pressure     |                   |                       |                           |
| Air mix                  | 0,23 - 0,28 mm    | 10 - 60 bar           | 1,0 - 2,5 bar             |
| Compressed air spraying  | 1,0 - 2,0 mm      | 1,5 - 2,0 bar         |                           |
| Brush application        |                   |                       |                           |

### >Processing instructions

Application of stain on coarse-pored woods such as oak, walnut, mahogany or ash: apply using a spray gun or brush on with a slight excess. Evenly spread the excess first across then with the grit using a suitable brush. On fine-pored woods such as beech, maple or cherry, we recommend fine spraying with spray gun (nozzle 1.0 to 1.2 mm) without wiping. Stir stains well before and during processing. We recommend small spray nozzle sizes for stains that are to be sprayed but not subsequently wiped. Although large spray nozzle sizes are recommended when spraying stains that are subsequently to be wiped.



### >Technical data

|                               |  |
|-------------------------------|--|
| Flow time (+/- 15 %)          | 60 s / DIN EN ISO 2431 - 3 mm  |
| Appearance                    | glazing  |
| Density series kg/l           | 1.003 - 1.022  |
| Yield per coat                | 13 - 34 m <sup>2</sup> /l<br>The spreading rate is heavily dependent on the type of application. The specifications relate to a liter of ready-for-use product, if necessary including hardener and thinner. |
| Form of delivery              | fluid  |
| Non-volatile content series % | 1 - 5  |
| VOC EU %                      | 0 %  |
| VOC FR                        | C  |
| Working Temperature Range     | 16 - 25 °C   |
| Storage temperature           | 5 - 30 °C  |
| Shelf life in weeks           | 52   |
| conditions of transport       | frost-free - up to a maximum of 35 °C  |
| Working temperature           | 20 °C  |
| Number of coats (max)         | 1  |
| Amount per layer (minimum)    | 30 g/m <sup>2</sup>  |
| Amount per layer (max)        | 80 g/m <sup>2</sup>  |
| Total application volume      | 100 g/m <sup>2</sup>   |

### >Ordering information

| Order number | Colour tone | Gloss level 60° (Gloss) | Container Size       |
|--------------|-------------|-------------------------|----------------------|
| BG 20000     | 20000       | -                       | 1 l, 5 l, 15 l, 25 l |
| BG 20005     | 20005       | -                       | 1 l, 5 l, 25 l       |
| BG 20015     | 20015       | -                       | 1 l, 5 l, 25 l       |

### >Particular instructions

All stains from the same range can be mixed together. Lighten by adding water. Can be tinted with colour concentrates in the range: BF 10xx, BP 30xx, BP 3570. Priming with HYDRO lacquers can result in discolorations when using wood species with a high proportion of water-soluble wood constituents (e.g.oak). We therefore recommend a PU base coat, especially in the case of pastel or white colour tones.

### >General information

Trial staining of the original sanded wood with original lacquering should be carried out under real conditions. Only use stains from one batch for any one job. Do not pour soiled stains back into the original container. Clean tools with water immediately after use. Dried-on stain residue can be removed with thinners such as ZD 82.

Our technical information is continually adapted to keep up to date with the latest technology and statutory regulations. The indicated values are no specification, but typical product data. The latest version is always available online at [www.hesse-lignal.de](http://www.hesse-lignal.de) or talk to your local account manager. This information is for advice and is based on the best knowledge available and careful research in line with the current state of the art. This information cannot be held as legally binding. We also refer you to our terms and conditions of business. Safety data sheet is provided in accordance with EC regulation no. 1907/2006.