Positiv-Fertigbeize
PBF/Farbton

Product description
Liquid, ready-to-use monocomponent stain on water basis with distinctive positive staining effect on softwood.

Range of application
Zweihorn Positiv Fertigbeize PBF can be used for indoor applications on all coarsely ground, sanded and structurebrushed softwood such as spruce, fir, pine etc. On hardwoods such as oak and ash the positive character is replaced by an excellent levelling colouring. Can be used after the application of a clear Zweihorn paint, sweat- and saliva-resistant, according to DIN 53160, and hence also for children wooden toys.

Preparation
Coarse sanding of the softwood with 80 or 120 grit paper and dust well as with sanded and structure-brushed surfaces. Fine sanding of the hardwoods with 150/180 grit paper. Dust well (pore or fibre brush).

Brightening/shading
All PBF colours can be mixed with each other; they can be made brighter with PBF 2300 (colourless) and shaded with Beizextrakt W (water soluble). Numerous other colours can be found in the big stain colour book „Color Player.

Application
Shake or stir thoroughly before use. Keep in motion during application in order to guarantee an even staining effect.
Application with stain brush:
Apply Zweihorn Positiv Fertigbeize richly in the direction of the grain, first spread in diagonal, then longitudinal direction. In case of softwood do not remove excess product (just distribute evenly), in case of hardwood remove excess quantity.
Application with spray gun:
Put on Zweihorn Positiv Fertigbeize „dry" (not too wet) twice. For better wetting of the indentation of brushed or sanded softwood spray in alternate directions (i.e. towards the structure direction of the wood grain from both sides)

Application methods

	Spraying High pressure	Spraying Low pressure	Brushing
Spray pressure (bar)	1,5-2,0	HVLP	
Nozzle size (mm)	0,8-1,3	1,0	
Yield incl. spray loss (m²/l)	7-12	7-12	7-15
Coverage per application (g/m²)		70-140	

Depending on wood type and sanding.

Drying time
(at room temperature 20°C, 65 % relative humidity) 4–6 hours. Do not accelerate the development process through heat or air movement.

Aftertreatment

After completed drying process remove the stain remainders on softwood through brushings with a not too hard stain smoothing brush or a root brush towards the direction of the structure.

Coating

On light stain tones excellent results can be obtained trough double spray application with Zweihorn Crystallit 2K-PUR Aufhellack CL-A or Zweihorn Super Duroffix-Aufhell-Siegel SDF A. However, these brightening varnishes can lead to hazes on dark colours. Other Zweihorn priming and coating lacquers can also be used, however, due to the different wetting behaviour a possible colour change might be experienced. A coating with NATURTREND products NWL or NHW is also possible. However, product related colour deviations must be taken into consideration.

Product data

Batch sizes	750 ml, 5 l, 25 l*
Viscosity at delivery DIN – 4mm	approx. 11 sec.
Shelf life in unopened original batches	2 years

* only colourless

Further information can be obtained from the label and the Safety Data Sheet 91/155/EWG, which you can download from the Internet.

Special notes

- Zweihorn Positiv Fertigbeize PBF is frost sensitive-do not store or transport below 5°C.
- Do not use working equipment which gets rusty.
- Do not fill remainders of the used quantities back into the original batch.
- The final colour depends on the type of wood, original colour and preparation of the wood, sanding, application quantity of the stain as well as the varnish material used. Therefore you should always do a trial staining and varnishing!
- Wood extremely high in resin must first be deresinified with Zweihorn 10063 Celluloselack-Verdünner or saponified with Zweihorn Holzseife.
- **Attention:** Product must not be drained into the sewage system.
- If several individual batches are used, they should be mixed together before you start with the work.
- It does not contain heavy metals, as e.g., lead, chromium, mercury, or cadmium, and conforms with respect to heavy metal content to the requirements of the table 1 of the EN 71 of the November 2002 edition.   Similarly it does not contain any poisons of organic nature, such as for instance, PCP (pentachlorphenol), HCH (Lindan), or formaldehide.
Having applied correctly a layer of clear paint there is no danger of formation of any substances in concentrations that could impair health, or the environment, or cause odour pollution due to corrosive constituents, due to the varnish itself.