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## WOOD PROTECTION

Rev 0 01/06/2017

### 1. Product name

**HOLZFREUND ARMOR TOP COAT 170430**

### 2. Description

Solvent-based, high solids woodstain for external use based.

### 3. Main features

High build semi-gloss woodstain, formulated with special, high quality long oil modified alkyd resins. It has excellent filling, special pigments and an UV-filter guarantee a longterm weather-resistance. Bright, uniform colors, obtained with transparent iron oxides which, as well as not changing color through time, lengthen the life of the wood joinery as they are a very efficient absorbers of ultraviolet radiation, it ensures an excellent color harmonizing effect enhancing the natural beauty of wood.

### 4. Recommended use

It is particularly suitable for non-dimensionally stable wooden construction elements in outdoor areas such as wooden houses, cladding, fascias, canopies, wooden enclosures, balconies. For the renovation dimensionally stable wooden elements like wooden windows and doors and new timber.

### 5. Technical data\*

Type	Internal method	Standard	Meas. unit	T Ref.	Value
<b>Solid content</b>		UNI EN ISO 3251	% p/p		39 ± 2

### 6. Application data

**Theoretical consumption:** 120 - 150 g/m<sup>2</sup>, depending on the type of support and the application methods.

**Practical spreading rate:** the shape and properties of the substrate and wood moisture affect the consumption / yield. Accurate values for consumption must be obtained by applying trial coats in advance

### 7. Application method

**Thinning:** ready to use



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**Equipment:** For best results use a good quality, soft bristle brush. Ensure product is thoroughly stirred before and during application, otherwise sheen and colour variations may be experienced.  
**Number of coats:** 1 coat of HOLZFREUND WOOD PROTECTION followed by 2 coats of HOLZFREUND ARMOR TOP COAT on joinery items. 2 coats on surfaces such as, fascias, soffits, cladding, fencing and decking.

**Preparation:** the substrate must be clean, free from dust, dry capable of holding paint, free from separating substances as wax, grease, silicone, resin etc, as well as tested for suitability for coating application. Any non preservative treated softwood timber should be treated with two liberal coats of Holzfreund Wood Defender, paying particular attention to end grains, allowing 24 hours drying time between coats and before overcoating with 1 full coat of Holzfreund Wood Protection. Where possible, the base coat should be applied all round prior to fixing. For renovation brush off the remains of old paint, sand old paint with good adherence lightly (grain 60) and afterwards sand with grain 120.

All defective coatings should be completely removed. Any grey denatured exposed timber surfaces must be thoroughly sanded back to clean, bright timber. Organic growths must be removed and infected surfaces should be treated with a suitable fungicidal solution.

**Drying time:** touch dry 4-6 hours at 23°C, 50% RH the drying time depends on the type of substrate, coat thickness, temperature, air exchange and relative atmospheric humidity. Please ensure adequate ventilation! Lower air exchange rate, for example, by compact stacking, delays the drying process. Lower temperatures and / or high level of atmospheric humidity can increase the drying time considerably.

**Recoatable :** 16-24 hours

**Application conditions:** Do not apply if there is a risk of rain, or when air / substrate temperatures are below 8°C or above 25°C, or if the relative humidity is above 80% during application or drying periods. Protect from frost and rain until dry. Failure to meet these requirements may adversely affect the drying, visual quality and durability of the finish.

Application suggested between 10°C and 30°C, RH<70% and good ventilation.

For a good through drying it is absolutely necessary to respect the recommended application quantities. Too high layer thickness will conduct to a considerable drying delay!

Allow a minimum of 16-24 hours drying time before recoating or applying the Zetagi HOLZFREUND ARMOR TOP COAT extra finishing topcoats.

**Cleaning the work equipment:** Clean spills, spatters and tools immediately after use with mineral spirits. Follow manufacturer's safety recommendations when using mineral spirits.



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### 8. Available colors

Colour: 13 standard colours Other shades on request

The final colour and sheen are dependent on a number of factors, including the timber species, colour and cut, and the presence of any existing coating. A trial application is recommended prior to the commencement of work.

### 9. Storage indications

Shelf life: 12 months, provided the cans are kept sealed and undamaged, into a cool and dry place with temperature between 5 and 35°C.

### 10. Available packing

Standard packing 1 5 25 l. For different needs, please contact us.

### 11. Safety precautions

For health and safety information, please refer to the relevant Material Safety Data Sheet.

Notes, warnings and other information

Given the large number of factors that influence the painting process and our inability to control the use of the product itself, we can accept no responsibility for the final result.

Not suitable for wood in continuous contact or immersed in soil and / or water.

\* indicative value, as it is dependent on numerous factors unrelated to the product, such as the size of the object, the conditions of the surface, the type and conditions of application

NB: the product conforms to Law Decree 27 March 2006 n.161;

It belongs to category A/e

Impregnating non film-forming for wood

VOC value lower than legal limit

VOC legal limits are 400 g/l from 01/01/2010.

This Product Data Sheet has been written according to UNICHIM 1633 method

*The information in this data sheet about the use of our products are based on our present scientific knowledge and practice. Zetagi accepts no commitment and / or responsibility on the final result of the work with our products. It is the customer's responsibility to verify the suitability of our products for the intended use. All the products and the advice given are subject to our general conditions of sale which we recommend you to request and read carefully. This data sheet replaces and annuls the previous ones: it is the user's responsibility to ensure that this sheet is updated prior to using the product.*

*This data sheet is a translation; the Italian text of this document shall prevail over any translation thereof.*