

# ILMA HYBRID PU

Waterborne polyurethane floor and wood varnish



06.2023 V.03

ILMA is a hybrid water based, one component varnish based on acrylic and polyurethane resins. Displays excellent resistance to mechanical stress, while maintaining its elasticity. Develops strong adhesion on surfaces where applied. Resistant to mild cleansers and a household stain. It is suitable for indoor and outdoor use on wooden floors, that are either new or previously painted with alkyd or polyurethane paints.



Matt

Satin

Gloss



**Stir well before use**



**Coverage:**  
14-18 m<sup>2</sup>/lt



**Drying time:**  
Between 1 to 1,5 hrs.



**Thinning**  
with water at a percentage of 5-10% by volume if needed.



**Paint:**  
Roller



**Paint:**  
Brush

## Product Characteristics

- UV Protection (Hals protection)
- Non-yellowing
- Gloss, satin, and matt finish
- Transparent
- Does not alter the shade of the painted surface
- Excellent resistance to weather conditions
- Excellent resistance to mechanical stress
- Resistant to mild cleaners
- Strong adhesion
- Easy to apply

**Packaging:**  
0,75lt  
3lt



## Shades

Available in colorless and three different gloss levels (gloss, satin, matt). It cannot be tinted.

The above information is based on laboratory audits and the long experience of the scientific staff of the company. The quality of the product is guaranteed by the company's operating system which is based on the requirements of ISO 9001, ISO 45001, ISO 14001 and the EMAS regulation. As producers we are not responsible for any damage or damage caused in the event that the product has not been used for the appropriate application and in accordance with its instructions for use.

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## Technical Specifications



<b>V.O.C</b>	100gr/lit ( Maximum Volatile Organic Compounds content ready for use).
<b>Density</b>	1,03 ± 0,02gr /cm <sup>3</sup> (ISO 2811)
<b>Viscosity</b>	50-70 K.U., 25°C (ASTM D562).
<b>pH</b>	7-9
<b>Performance</b>	14-18 m <sup>2</sup> /lit,
<b>Gloss</b>	Gloss: 75-85 units, at 60° Satin: 50-60 units, at 60° Maty: 10-20 units, at 60°
<b>Thinning</b>	The product is ready to use. For new surfaces and to facilitate the absorbedness of the product, it is recommended for the first coat to thin with water at a percentage of 5-10% by volume.
<b>Application</b>	The product is applied by brush or roller
<b>Drying</b>	Touch dry 1-1,5 hrs, depending on the weather conditions. (The drying time might be elongated according to temperature and humidity conditions)
<b>Recoating</b>	Repaint after 3 hrs, depending on weather conditions. (The drying time might be elongated according to temperature and humidity conditions)

### ACCORDING TO 2004/42/EK

Phase II,  
Subcategory i, one-  
pack performance  
coatings/ floor  
varnish, Max VOC  
Content limit  
value: 140gr/lit Max  
VOC content:  
100gr/lit (ready to  
use product).



### Storage

Storage indoors to avoid exposure to high or low surfaces and high humidity conditions. Avoid sources of heat, radiation, static electricity, and storage near food. Keep container tightly closed. After opening can use product in a short period of time. Close the can well.



### Safety Instructions- Prevention of environmental harming

Minimize paint wastage by estimating how much paint you will need. Recover unused paint for reuse. Reuse of paint can effectively minimize the products life cycle environmental impact. Clean tools with water and soap. Do not put residual paint down the kitchen sink or toilet or into a waste bin. Empty cans with paint residues should be handled the same way and disposed according to local Regulations. You should ask for advice for the local government section responsible for the collection and disposal of waste. Ask for advice from an authorized body for waste recovery. Wear protective gloves and goggles/ Do not eat, drink when handling the product. Wash wand with suitable cleaning products. Keep out of reach of children. Always read the can label before use.  
**For further information ask for the Safety Data Sheet of the product.**

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## Recommended application systems



### Interior/ Exterior walls

- New surfaces / Already painted surfaces

#### Preparation

Surfaces must be clean, dry, and free from dust, grease, oils, etc. sand with mechanical means (eg 120 grit) and remove the dust. rub mechanically first 2 times with sandpaper (e.g. 80) and then with fine sandpaper (e.g. 150). Carefully remove dust and then apply the product.

#### Primer

To facilitate the absorbedness of the product, it is recommended for the first coat to thin with water at a percentage of of 5-10% by volume.

#### ILMA HYBRID PU

1 coat

#### Final coating

Apply the product without thinning, with a time interval of 3 hours between each coat.

#### ILMA HYBRID PU

2 coats

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