



# Technical data sheet

PROTECTION MADE EASY

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## Polyroof Thix

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### Description and destination of the product

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**Polyroof Thix** is a two-pack polyurethane paint that cures into a longlasting tough elastic paint film. The paint film is waterproof and the aluminium pigments reflect the UV radiation. The surface is thus protected against ageing.

**Polyroof Thix** is especially designed for the protection of roof materials such as polyurethane foam, asbestos cement, concrete, zinc of bituminous roofings.

**Polyroof Thix** has been developed to apply a higher layer thickness.

### Type of binder

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Isocyanate prepolymer and amino functional polyamine.

### Type of pigment

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Aluminium of the leafing type.

### Colour

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Aluminium.

### Gloss

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Satin.

## Technical data

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- **Density:** 1.150 ( $\pm$  0.05) g/cm<sup>3</sup>
- **Solids content:** 82 ( $\pm$  2) % in volume  
86 ( $\pm$  2) % in weight
- **Mixing ratio:** 91/9 in weight.  
Mixing errors result in deviating properties and differences in gloss. Therefore we advise to mix the complete contents of base paint and hardener.
- **Viscosity:** 120 ( $\pm$  2) KU
- **Potlife:** 40 to 45 minutes at 20°C
- **Drying times:** dustfree : 6 hours  
(20°C – 65 R.H. – 250 micron) tackfree : 12 hours
- **VOC:** < 180 g/L
- **Theoretical yield:**  
The practical yield can largely be influenced by the roughness and porosity of the substrate, the applied layer thickness or the losses by airless application.

## Surface preparation

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For all substrates: dust thoroughly, if necessary remove moss with **Fungex**.

For concrete and asbestos cement: application of an impregnation coat **Cryltane CF Impregnation** (ca. 200 gr/m<sup>2</sup>).

For galvanised surfaces: application of an adhesion coat **Cryltane AC Primer**

## Use

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Mixing ratio: 91/9 in weight.

**Polyroof Thix** is preferably applied as follows:

1. First divide the roof into compartments
2. Calculate how much paint you need and prepare the paint
3. One person mixes the paint:
  - a. Preferably mix the hardener and paint in a kettle, during a few minutes at low-speed (in order to avoid air in the paint)
  - b. Pour over in another kettle
  - c. Mix again
4. The second person pours out the paint
5. A third person divides the paint equally over the compartment, with a doctor blade
6. A fourth person de-aerates the paint with a de-aeration roller

Layer thickness:

- as reflecting coat ca 350 gr/m<sup>2</sup> (= ca. 250 microns)
- as leakproof and reflecting coat: min. 800 gr/m<sup>2</sup> (min. 600 microns)

Overcoating of **Polyroof Thix** with a second layer can be done after minimum 48 hours and maximum 7 days, without sanding between layers.

Clean material with **Solvatane**

## Application conditions

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**Polyroof Thix** also cures at very low temperatures and high relative humidity. In order to avoid painting above condensation, we recommend painting only when the temperature of the surface is 3°C higher than dew point.

## Storage stability

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Minimum 2 years in the original and unopened packing stored in a dry environment at temperatures between  $-20^{\circ}\text{C}$  and  $+40^{\circ}\text{C}$ .

## Safety measure

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For detailed information about safety measures, personal protection and transport data of this product, we refer to the safety data sheet.

*The last update of our technical data sheets is always available at our website: [www.libertpaints.be](http://www.libertpaints.be)*

### **Disclaimer**

*The information given in this technical data sheet is only a general product description, based on our experiences and tests and therefore does not represent a specific practical case. Consequently Libert Paints doesn't guarantee the functionality or result and takes no responsibility in this respect.*

*We advise our clients to test the applicability of the product to the nature and the state of the surfaces and to carry out the necessary representative tests in case of doubt. Please contact our R&D department as the occasion arises.*

*Attention: our clients should verify whether the present technical data sheet hasn't been replaced by a more recent version.*