



TIKKURILA

# PANSSARI AKVA

ACRYLATE PAINT FOR METAL SURFACES, SEMI-MATT

**DESCRIPTION**

Acrylic paint.

**RECOMMENDED USES**

Sheet metal roofs and walls; steel structures, such as water channels, down pipes and protective sheets.

**PRODUCT FEATURES**

Suitable for direct application on surfaces previously painted with alkyd or acrylic paints and on industrially-coated steel sheets (PVC, PURAL, POLYESTER, ACRYLIC). Untreated zinc-coated steel roofs and aluminum and steel surfaces must be first primed with Rostex Super Akva primer. Aluminum surfaces must be roughened before priming.



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TECHNICAL DATA	
<b>Base paints</b>	A BASE, C BASE
<b>Colour Shades</b>	<b>Color cards:</b> Paints for metal roofs -colour card, Paints for roofs colour card, Facade 760 colour collection. Can be tinted in Tikkurila colors.
<b>Gloss</b>	Semi-matt.
<b>Coverage</b>	Approx. 8 m <sup>2</sup> /l, one coat. (Equivalent to a wet film thickness of approx. 100–125 µm with spray application).
<b>Can sizes</b>	A BASE: 0.9 l, 2.7 l, 9 l, 18 l C BASE: 0.9 l, 2.7 l, 9 l, 18 l
<b>Application method</b>	Brush (T6) or spray. For spraying, use an airless spray nozzle 0.013"–0.017" (nominal angle 40–50°) and thin the product up to 10% by volume, if needed.
<b>Drying time</b>	1–3 hours. Recoatable after 24 hours.
<b>Density (kg/l)</b>	Approx. 1.0 kg/l, ISO 2811.
<b>Volume solids (%)</b>	40
<b>VOC</b>	(cat A/i) 140g/l(2010) Panssari Akva contains VOC max. 140 g/l
<b>Storage</b>	Protect from frost.

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## APPLICATION INSTRUCTIONS

### Application conditions

The surface to be painted must be dry and warmer than the surrounding air. During painting and drying, the temperature of air, the surface and paint must be above +5 °C and the relative humidity of air must be below 80%. The drying rate is strongly affected by the relative humidity of air, temperature and wind speed. The temperature of the surface may not exceed +40 °C so that the water does not evaporate too quickly. Otherwise, porosity, bubbling and weakened adhesion, for example, could occur in the paint. When maintenance painting, avoid conditions where the paint dries quickly (hot and windy conditions). The application time of Panssari Akva can be extended slightly by thinning the paint with water up to 10%. Excessive thinning and painting under unfavorable conditions may cause the paint to sag. Plan the painting operation so that the paint film has enough time to dry before the evening dew. Do not paint if there is a high chance of rain.

### Mixing components

If necessary thin up to max. 10 % with water.

### Surface preparation

Previously painted/industrially coated surfaces:

Remove any rust (until grade St2) and loose coating/paint with a scraper and wire brush. Clean the surfaces with Panssaripesu, removing any dirt, grease, oil, wax and other impurities according to the product instructions. Use a brush when cleaning. Rinse the surfaces carefully, preferably with a pressure washer. Prime bare metal surfaces twice with Rostex Super Akva anti-corrosive primer.

Unpainted, zinc-coated steel and aluminum surfaces:

It is recommended to paint new zinc-coated sheet metal roofs after one winter, at the earliest. Best adhesion is achieved with a mechanically or chemically roughened zinc-coated surface that has been dimmed by the weather. First, clean any rusty areas with a scraper and wire brush until grade St2. Remove any white rust by brushing or grinding. Remove dirt, water-soluble salts, grease and oil from the surface with Panssaripesu cleaning agent and a brush. Rinse carefully with water and allow to dry well. Aluminum surfaces must be roughened before painting. Prime zinc-coated surfaces and roughened aluminum and steel surfaces twice with Rostex Super Akva or once with Rostex Super.

Industrially coated surfaces:

Determine the type, condition and adhesion of the original coating. Check with the manufacturer of the coating whether the coating can be maintenance painted and if it needs a separate primer. For detailed instructions, see Tikkurila's Roof Painting Guide, the Tikkurila website or call the Maalinja customer hotline.

### Painting

The pretreated surfaces (see Pretreatment) are painted with 1–2 coats of Panssari Akva to a dry-film thickness of 50–80 µm. Pay attention to choosing a suitable brush. Recommendation: Tikkurila roof/ceiling paint brush T6. Spray application is recommended for roof tile profile surfaces.

The slipperiness of the painted surface can be reduced by adding 1/3 liters of Liukueste powder to 10 liters of paint. When using Liukueste powder, apply two coats of paint such that the second coat includes the anti-slip material.

### Cleaning of tools

Clean tools with water. Tikkurila Pensselipesu Tool Cleaner is recommended to remove slightly hardened paint.

The above information is not intended to be exhaustive or complete. The information is based on laboratory tests and practical experience, and it is given to the best of our knowledge. The quality of the product is ensured by our operational system, based on the requirements of ISO 9001 and ISO 14001. As manufacturer we cannot control the conditions under which the product is being used or the many factors that have an effect on the use and application of the product. We disclaim liability for any damages caused by using the product against our instructions or for inappropriate purposes. We reserve the right to change the given information unilaterally without notice.



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## Maintenance instructions

After one month from painting, a dirty surface can be cleaned with Huoltopesu (mix 1 part of Huoltopesu with 10 parts of water). Clean stains and very dirty surfaces with a stronger Huoltopesu solution (1:1). After washing, rinse with water and let dry.

## Maintenance treatment

Surfaces painted with Panssari Akva sheet metal roof paint can be maintenance painted with Panssari Akva.

## Environmental protection and waste disposal

Destroy liquid waste according to the local regulations for hazardous waste. Recycle empty, dry cans or dispose them of in accordance with local regulations.

## Health and Safety

Wear protective gloves. Contains 2,4,7,9-Tetramethyldec-5-yne-4,7-diol, 1,2-benzisothiazol-3(2H)-one (BIT) and reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1) (C(M)IT/MIT (3:1)). May produce an allergic reaction. This product contains a biocidal product for the preservation of the product during storage. Contains: reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1) (C(M)IT/MIT (3:1)).

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