

KIRJO

PAINTS FOR SHEET-IRON ROOFS



FOR CORROSION PROTECTION OF METAL SURFACES OUTDOORS



On roofs since 1964

Metallic roofing materials have been used for protecting the roofs of wooden houses since the 19th century. A sheet-iron roof offers good protection for the building, but it requires its own protection against weather conditions.

Sheet-iron roofs are painted primarily to provide protection against corrosion. A well-painted roof is protected from the corroding effects of the climate. Naturally the roof's colour also gives a final touch to the appearance of the house.

Paints for sheet-iron roofs must have anticorrosive pigmentation and they must withstand weather conditions. The sun, frost, rain, snow, and ice all stress the roofing material.

Teknos has long traditions in anticorrosive painting. Finnish sheet-iron roofs have been painted with Teknos's Kirjo paint since 1964. The current product range has both traditional and modern alternatives for the corrosion protection of roofs.

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Painting a sheet-iron roof

Most painted sheet-iron roofs in Finland have been painted with alkyd paints. Alkyd is a hard and durable binder, but it loses flexibility, becomes brittle and the colour fades in the sun as the alkyd ages. Risk of corrosion is always present when the paint coating starts to peel off.

The most common roofing material to be painted is zinc-coated steel sheet. The zinc layer protects the steel from corroding, but in time the metal layer underneath starts to corrode. Air pollution and maritime climates accelerate the zinc layer corrosion. This is why repainting a roof should be planned in good time.

Pretreatment – washing and efficient corrosion protection

The sheet-iron roof to be repainted should be washed with Peltipesu cleaning agent and all poorly adherent old paint should be removed. In some cases the old paint coating must be removed entirely by scraping, sand-blasting, or chemically before applying a new paint coating.

If the sheet-iron surface has corroded, the corroded parts should be cleaned with a steel brush or by grinding. When Kirjo Aqua or Kirjo sheet-iron roof paints are used, the corrosion protection of rusty roofing material can be improved by priming the rusty parts with Ferrex anticorrosive paint.

Kirjo Aqua and Kirjo Pro HS can be painted on a new washed sheet-iron surface. When Kirjo sheet-iron roof paint is used, it is recommended that the new galvanised and glossy sheet-iron surface is left to oxidise before painting until the surface has become matted. In normal climate conditions this takes 1-2 years. The surface should be washed before painting with Peltipesu washing agent according to the instructions.



PELTIPESU WASHING AGENT

A concentrated alkaline washing agent containing ammonia. It removes zinc salts, grease, dirt, and other impurities from galvanised surfaces prior to painting. It is also suitable for cleaning old painted surfaces before re-painting. **pH:** appr. 12. **Thinner:** Water (dilute 1:3).

FERREX ANTICORROSIVE PAINT

An activated multipigment anticorrosive paint for steel and light metal surfaces. Also suitable for zinc-coated and galvanised surfaces. It efficiently prevents underfilm corrosion and neutralises acidic impurities in the air. Can be overcoated with e.g. Kirjo or Kirjo Aqua. **Gloss level:** 5, matt. **Spreading rate:** 8–10 m²/l. **Thinner:** Teknosolv 1639. **Application:** Brush. **Colour:** Red, black, white and grey.



Kirjo Aqua

NEW PRODUCT!

Kirjo Aqua is a matt water-thinned paint for sheet-iron roofs. It has excellent adhesion on zinc-coated sheet-iron and on old alkyd and acrylate paints. It protects the sheet-iron roof against mechanical stress and climate conditions. The anticorrosive pigmented surface is hard but flexible and protects the metal surface against corrosion.

Kirjo Aqua is a special acrylate paint, and the interval between maintenance painting is longer than that of alkyd-based sheet-iron roof paints. It is easy and straightforward to apply.



KIRJO AQUA PAINT FOR SHEET-IRON ROOFS

A water-borne, acrylate-based anticorrosive pigmented paint for sheet-iron roofs. Suitable for unpainted zinc-coated and galvanised sheet-iron and steel surfaces as well as for maintenance painting of sheet-iron roofs painted earlier with alkyd or acrylate paints.

Gloss level: 5, matt. **Spreading rate:** 7-8 m²/l. **Application:** Brush, sprayer. **Colour:** Bases 1 (white) and 3. Can be tinted to obtain the tones in the roof, steel paint, and exterior paint colour charts.







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Kirjo

Kirjo has protected Finnish sheet-iron roofs since 1964. It is an alkyd-based solvent-thinned special paint for priming and top-coating sheet-iron roofs, for protecting other galvanised and light metal surfaces, and for top-coating primed steel surfaces. Kirjo has an active anticorrosive pigmentation, which prevents the corrosive effect of the impurities in the air and protects the metal surface from stress caused by climate conditions.



KIRJO PAINT FOR SHEET-IRON ROOFS

An alkyd-based anticorrosive pigmented special paint. Tintable finishing paint for sheet-iron roofs and zinc-coated or primed steel surfaces.

Gloss level: 4, semi-matt. **Spreading rate:** 9–11 m²/l. **Thinner:** Teknosolv 1621 or Teknosolv 9550. **Application:** brush, sprayer. **Colour:** Bases 1 (white), 2, 3, and 4 and standard Kirjo colour chart tones from the factory. Can be tinted to obtain the tones in the roof, steel paint, and exterior paint colour charts.



Kirjo Pro HS

Kirjo Pro HS is a two-component polyurethane paint for sheet-iron roofs. It is suitable for steel, zinc-coated, and galvanised surfaces as well as for maintenance painting of old sheet-iron roofs painted with alkyd-based paints with good adhesion. Its efficient active anticorrosive pigmentation protects the sheet-iron roof and other steel surfaces from corrosion and improves the durability of the structures.

Kirjo Pro HS is a truly long-lasting paint. Even in the harsh northern climate its colour and appearance remain unchanged for years, even decades. Kirjo Pro HS's surface withstands mechanical stress and impacts well. Additionally its water submersion durability is extremely good, which gives it better tolerance to the effects of water and ice compared to surfaces painted with traditional sheet-iron roof paints. When compared with alkyd or acrylate paints, the interval between maintenance painting with Kirjo Pro HS is significantly longer.

Speed of sprayer use and savings in labour costs

Kirjo Pro HS is also suitable for steep-pitched roofs and the necessary dry film thickness (80–100 µm) can be achieved by one coating without disturbing the film formation process. Kirjo Pro HS is easily applied with a brush, but excellent adhesion is also obtained with a spray gun, with which the achieved film thickness is easy to control.



KIRJO PRO HS PAINT FOR SHEET-IRON ROOFS

A two-component, solvent-based anticorrosive pigmented polyurethane paint with acrylate binding agent. Applied on a clean, new zinc-coated or galvanised sheet-iron surface or an old and clean alkyd paint surface with good adhesion. Also suitable for industrial use for maintenance painting polyester and polyurethane (Pural) coated steel sheets.

Hardener: Kirjo Pro HS Hardener (mixing ratio 10:1). **Application time:** 4 hours. **Gloss level:** 4, semi-matt. **Spreading rate:** 5–11 m²/l. **Thinner:** Kirjo Pro Thinner. **Application:** Sprayer, brush. **Colour:** Bases 1 (white), 2, and 3. Can be tinted to obtain the tones in the roof, steel paint, and exterior paint colour charts.







Colour for all surfaces

Teknos is a Finnish family-owned business, which was established in 1948. It is one of the leading suppliers of paint in Scandinavia. The versatile selection of Teknos products includes paints and coatings for wooden, mineral and metal surfaces, for exterior and interior use.

Teknos has a strong position in retail and architectural coatings and a network of well-established sales agents and representatives in Scandinavia, Central Europe and Russia.

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 **TEKNOS**
Good for professionals,
good for you.