

KIRJO AQUA

Paint for sheet-iron roofs

Water-borne acrylate-based paint with anticorrosive pigmentation for sheet-iron roofs. Finish: matt.



Use: For new unpainted zinc coated/galvanized sheet-iron and steel surfaces. KIRJO AQUA can be applied to a new sheet-iron roof as soon as the roof is completed. Suitable also for maintenance painting of sheet-iron roofs which are previously painted with alkyd or acrylate paints.

KIRJO AQUA can also be used for maintenance painting of industrially paint coated sheet steel: polyurethane, PURAL, PUREX, polyester, acrylic and PVC-Plastisol coatings. Maintenance painting of other coatings is done in accordance with instructions given by the steel manufacturer.



TECHNICAL DATA

Certificates, approvals and classification	Finnish Key Flag
Fields of application	Roof
Recommended substrate	Sheet-iron, Metal, PVC (polyvinyl chloride), Zinc
Solids	Approx. 38% by volume
Volatile organic compound (VOC)	EU VOC limit value (kat A/i): 140 g/l. The product's VOC: max. 140 g/l.
Practical spreading rate	7 - 8 m ² /l, abt. 40 µm dry film, applied once with brush.
Colours	Base paints 1 and 3, which can be tinted to obtain the shades in Exterior Colour Card. Ready-made shades: T2504 Graphite grey, T2509 Red, T2514 Brown, T2515 Black. (Ready-made shade leaving from the assortment: T2511 Dark red)
Tinting system	Teknomix
Gloss (60°)	Matt
Thinner	Water.
Density	Approx. 1.2 g/ml
Storage	Must not freeze.
Packaging	Base paints 1 and 3: 0.9 l, 2.7 l, 9 l, 18 l. T2504; T2509; T2514; T2515: 1 l, 3 l, 10 l, 20 l.

DIRECTION FOR USE

Surface preparation

GALVANIZED SHEET-IRON ROOFS AND OTHER UNPAINTED GALVANIZED SURFACES: A new sheet-iron roof can be painted as soon as it is completed. This is an advantage particularly in urban climate as the unpainted iron-sheets do not get dirty prior to painting. Wash galvanized surfaces before painting with RENZA STEEL washing agent for galvanized surfaces according to the instructions for use and rinse thoroughly with fresh water. NOTE! Cleaning agent must not dry onto the surface to be painted. Remove possible rust by e.g. steel brush.

MAINTENANCE PAINTING: Remove all flaky and poorly adherent old paint as well as rust by scraping, by steel brush and/or by a machine. If the whole paint coat is, or can be assumed to be poorly adherent (e.g. paint is flaking in many areas), the paint is removed by mechanical methods or with paint remover. Bitumen paints and tars are removed totally before painting with KIRJO AQUA. The surface is washed with RENZA ROOF roof wash (diluted 1 part detergent : 3 parts water) and rinsed with fresh water. NOTE! Cleaning agent must not dry onto the surface to be painted.

MAINTENANCE PAINTING, industrially coated sheet steel - polyurethane, PURAL, PUREX, polyester, acrylic and PVC-Plastisol coatings: The type of the old coating and the suitability of KIRJO AQUA for its maintenance painting must be defined before painting. Maintenance painting of other industrial coatings (e.g. PVDF) is done in accordance with instructions given by the steel manufacturer. If there are doubts about the suitability and adhesion, these are to be ensured by test painting. The condition of the industrial coating and its adhesion to the sheet steel must be evaluated carefully. If the old coating is badly damaged, weathered/chalked, cracking or peeling from large areas, it must be completely removed before painting with KIRJO AQUA. Peeling of old, poorly adherent coating cannot be stopped by maintenance painting.

Priming

Apply KIRJO AQUA directly to clean zinc coated and galvanized surfaces as well as thoroughly cleaned old surfaces painted with alkyd or acrylate paints or industrial coatings. Bare steel surfaces, which are cleaned from rust are primed with FERREX AQUA Anticorrosive Paint.

Application method

Brush, Airless spraying

Application

Stir thoroughly before use. Dilute the product 5 - 15 % by volume by water, when required.

NEW UNPAINTED SURFACES: Apply the paint by brush, so called roof brush or airless spray. When applied by a brush, apply the paint twice to a dry film thickness of 2 x 40 µm. When spray painting the total film thickness of 80 µm (wet film abt. 210 µm) may be applied as a single coat. Recommended nozzle for airless spray is 0.015 - 0.019".

MAINTENANCE PAINTING: Bare, rust-free sheet-iron surfaces of the cleaned, damaged areas are touched up with KIRJO AQUA. Very rusty, cleaned steel surfaces are primed with FERREX AQUA Anticorrosive Paint. The whole roof is then painted with KIRJO AQUA to a dry film thickness of 40 µm. Two coats are recommended only if the colour of the roof is changed.

Application conditions

The surface to be treated has to be dry. During the application and drying period (note also the temperature of the night following the application) the temperature of the ambient air, the surface and the product shall be above +10°C and the relative air humidity below 80%. If the temperature of the surface to be painted exceeds +40°C, the application properties and the adhesion of the paint deteriorate. The temperature of the surface must not be over +40°C, or the water in the product may evaporate too quickly, pores may be formed to the paint film, adhesion may get worse or bubbles may appear.

Drying time

+23°C / 50% RH

- dust free

1 h

- overcoatable

8 h

The drying process will be slower in cold and/or damp.

Cleaning

Warm water and RENSA BRUSH brush cleaner. Wash the equipment immediately after use.

HEALTH AND SAFETY

Safety and precaution measures

See safety data sheet.

Teknos Group Oy Takkatie 3, P.O.Box 107 FI-00371 Helsinki, Finland Tel. +358 9 506 091

The above information is normative and based on laboratory tests and practical experiences. The information is noncommittal, and we cannot accept liability for the results obtained under working conditions beyond our control, and consequently the buyer or the user is not released from the obligation to test the suitability of our products for specific means and application methods under the actual application conditions. Our liability covers only damage caused directly by defects in the products supplied by Teknos. This implies that the user possesses sufficient knowledge for using the product correctly with regard to technical and working safety aspects. The latest versions of Teknos' Technical Data Sheets and Safety Data Sheets are available from our homepage www.teknos.com. All trademarks displayed on this document are the exclusive property of Teknos Group or its affiliated companies.