

RAW gran facadebeklædning, grundmalet 2 gange.

Vedligeholdelse

Grundmalet 2 gange med vandbaseret grunder og maling fra TIKKURILA

1. Behandling : Grundmalet 4 sider med en vandbaseret alkylid grunder PINJA PRO PRIMER

2. Behandling : Grundmalet 3 sider med en vandbaseret enkomponent, akryl udvendig topgrunder ULTRA PRO

RAW gran grundmalet facadebeklædning er profileret af tæt vokset nordisk gran. Grantræ er fra naturens side begunstiget med en lukket træ cellestruktur og har dermed gode varige egenskaber. Grantræ har i generationer været den foretrukne træsort til facadebeklædning specielt i Skandinavien.

Træ er et organisk naturmateriale, der påvirkes af det omgivende miljø og klima. Når luftfugtigheden ændrer sig, følger træets fugt efter, og dermed trækker træet sig sammen eller udvider sig i et vist omfang, hvilket kan medføre revne dannelse. Samtidig indeholder nåletræ harpiks, som ligger i lommer i træet. Harpiks kan løbe ud på overfladen, typisk når træet opvarmes af solen. Når harpiks størkner og krystalliserer, vil overfladebehandlingen kunne skalle af på berørte områder.

Behandling

Grundmalet gran skal overfladebehandles med træbeskyttelse. Under montering er det vigtigt at kantforsegle / overfladebehandle enderne, så de ikke optager fugt efter montering. Det er ligeledes krævet, at den færdigmonterede, grundmalede facade straks efter montering, får det endelige heldækkende malingslag for optimal beskyttelse samt finish.

Facadebeklædningen skal herefter løbende genmales efter behov, typisk hver 2. el. 3. år alt efter hvor udsat facadebeklædningen er eksponeret for det skiftende vejrlig med opfugtning, nedtørring samt direkte sollys.

Træbeskyttelse

RAW gran grundmalet facadebeklædning er grundmalet med vandbaseret maling. Det er derfor hensigtsmæssigt, at den efterfølgende og krævede top maling også er vandbaseret. Et produkt som Gori 99 Extreme kan med fordel anvendes.

Ved overfladebehandling anbefales det at følge producenternes anvisninger. Der er en række generelle råd som går igen:

- ✓ Døgntemperaturen skal overstige 5 grader, luftfugtigheden skal ikke overstige 80 % og træfugtigheden skal ikke overstige 18 %. Det er ikke optimalt at male i direkte solskin da træbeskyttelsen tørrer op, inden den trænger ordentlig ind i træet.
- ✓ Det er vigtigt at rengøre overfladen inden der påføres overfladebehandlingsprodukter. F.eks kan Gori trævask anvendes til dette formål. Løse træfibre børstes eller slibes væk, og områder med størknet harpiks børstes fri for harpiks med stålbørste.
- ✓ Heldækkende overfladebehandlinger holder typisk længere end transparente. Mørke farver er mere modtagelige for solvarme og dermed harpiksudtræk og revnedannelse.
- ✓ Overfladebehandl endetræet (hvor træet er savet over) da det er et udsat område for stor opfugtning.



PINJA PRO PRIMER

DESCRIPTION

A water-borne alkyd primer.

PRODUCT FEATURES AND RECOMMENDED USES

- ◆ An all-round primer for smooth sawn timber.
- ◆ Contains agents against mould and weathering.
- ◆ Gives good protection for 6 - 10 months and is a good primer for either water-borne top coat or oil paint.
- ◆ Suitable for priming of weatherboards.

TECHNICAL DATA

Solids content

abt. 37 weight-%. (243 6001)
abt. 26 weight-%. (243 6003)
abt. 37 weight-%. (243 0301)

Specific gravity

1.13 - 1.20 kg/litre.

Product codes

243 series

Recommended spreading amounts and theoretical coverage

Recommended spreading amounts (unthinned)		Theoretical coverage
wet / one layer	theoretical dry film thickness	
135 g/m ²	30 µm	9 - 10 m ² /l

Practical coverage depends on the application method, painting conditions and the shape and roughness of the surface to be coated.

Storage (23 °C)

6 months.

Application details

Application technique	Viscosity DIN4
Airless spraying	30 - 40 s
Airmix	20 - 30 s
Vacuum application	50 - 60 s

Drying times (100 - 120 g/m²)

	20 °C
Dry to handle, loose timber, after	6 - 12 h
Dry to handle, in stack, after	24 h
IRM	3 - 8 min

Note! Dark shades made from C-base will dry slower.

Drying and recoating times are related to the film thickness, temperature, the relative humidity of the air and ventilation.

Thinner and cleaning of equipment

Water.

Gloss

Matt.

Colours

White 0301, iron oxide red 2931 and shades on the House Paint colour card. TEMASPEED FONTE and SYMPHONY tinting systems.

PINJA PRO PRIMER

APPLICATION DETAILS

Application	Stir the primer carefully before use. Avoid flotation. At spray application the primer can be thinned 5 - 10 % with water if necessary. Choose the colour of the primer in accordance with the colour of the finishing paint. Finish the surfaces with PIKA-TEHO, VINHA, ULTRA or TEHO at the earliest after 24 hours from priming.
Application conditions	The surface to be treated has to be clean and dry. The moisture content of sawn timber has to be below 20 %. The temperature of the air, the surface to be treated and the primer has to be at least 5 °C and the relative humidity of the air below 80 %.
VOC	The Volatile Organic Compounds amount is 8 g/litre of paint. Maximum VOC content in ready to use paint (thinned 10 % by volume) is 8 g/l.
HEALTH AND SAFETY	Containers are provided with safety labels, which should be observed. Further information about hazardous influences and protection are detailed in individual health and safety data sheets. A health and safety data sheet is available on request from Tikkurila Coatings Oy.

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Ultra Pro

PRODUCT DETAILS

DESCRIPTION

A water-based one-component, polyacrylate exterior topcoat.

PRODUCT FEATURES AND RECOMMENDED USES

- ◆ Ultra Pro belongs to the Tikkurila ProHouse concept.
- ◆ A topcoat which does not need a separate primer.
- ◆ Contains alkyd for improved adhesion to bare wood.
- ◆ Suitable for exterior wooden panels and claddings etc.
- ◆ Fast drying line product which has excellent stacking properties.
- ◆ Protects the surface against moisture, sunlight and dirt.
- ◆ Extremely low water absorption.
- ◆ Delay water penetration into wood and therefore decreases moisture cracking of wood surface.
- ◆ Recommended wet film thickness 115-150 g/m² each layer (dry film thickness 40–50 µm).
- ◆ Recommended dry film thickness for two layers 80–100 µm.
- ◆ Can be coated with Ultra Matt paint in building site, if needed.
- ◆ Tested according to the standard EN 927-5.

TECHNICAL DATA

Volume solids

AP-base paint: 39 volume-%
CP-base paint: 40 volume-%

Weight solids

AP-base paint: 48 weight-%
CP-base paint: 47 weight-%

Specific gravity

AP-base: 1.20 kg/l
CP-base: 1.14 kg/l

Product codes

709 6201, AP-base paint
709 6203, CP-base paint

Theoretical coverage

8–10 m²/l when wet film thickness is about 115–150 g/m² and dry film thickness 40-50 µm.
4–5 m²/l for complete two layer system when dry film thickness is about 80–100 µm.
Practical coverage depends on the application method, painting conditions and the shape and roughness of the surface to be coated.

Storage (+23 °C)

12 months.

Application methods

Spraying, brushing machine or vacuum.

Drying times

Fast drying in convectional air drying oven with temperature 30–50 °C. The colours of CP-base paint might need longer drying time than the colours of AP-base.

Drying and recoating times are related to the colour shade, drying time, film thickness, temperature, the relative humidity of the air and ventilation.

Gloss

Matt.

Colours

The shades on the Wooden Facades colour card for exterior use.

Tinting systems

AVATINT tinting system.

Ultra Pro

APPLICATION DETAILS

Surface preparation	Surfaces must be free of dirt.
Application conditions	The surface to be treated has to be clean and dry. The moisture content of sawn timber has to be below 20 %.
Recommended primers	To be used without any separate primer.
Mixing components	Stir the paint carefully before use. Avoid flotation. Thin with water if necessary.
Application (+23°C)	Airless spraying application viscosity can be reached with approximately 0–2 % of thinning by volume. Nozzle tip 0.013"–0.015" is recommended to use with the pressure of 140–180 bar. Spray angle shall be chosen according to the shape of the object. Air assisted airless application viscosity can be reached with approximately 0–2 % of thinning by volume. Nozzle tip 0.013"–0.015" is recommended to use with the pressure 40–140 bar. Atomising air pressure should be about 1–3 bar. Spray angle shall be chosen according to the shape of the object. Conventional application viscosity can be reached with approximately 0–2 % thinning by volume. Nozzle tip 1.6 –2.0 mm is recommended to use with the pressure 2–3 bar.
Thinner	Paint is recommended to be used without thinning. If needed thin with water max. 5 %.
Cleaning of equipment	Water or Tikkurila Tool Cleaner.
VOC	According to VOC Directive 2004/42/EU the product subcategory A/d VOC limit (1.1.2010) is maximum 130 g/l. VOC content of the " Ultra Pro" is 20 ± 10 g/l. For industrial and professional use only.
HEALTH AND SAFETY	Containers are provided with safety labels, which should be observed. Further information about hazardous influences and protection are detailed in individual health and safety data sheets. A health and safety data sheet is available on request from Tikkurila Oyj.
More information	If you have any questions about this product, please go to web site www.tikkurila.com or send an e-mail to info.coatings@tikkurila.com .

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