

22370 KANALKYD PRIMER

PRODUCT DESCRIPTION

22370 KANALKYD PRIMER is a styrene modified alkyd based, one component antirust primer containing zinc phosphate. It is a fast drying primer even at low temperatures. It does not soften at high temperatures in summer. It exhibits superior adhesion on steel.

RECOMMENDED USE

Primer coat of the alkyd paint systems on steel surfaces for corrosion protection of structural steel of low/medium level corrosion category.

PRODUCT CHARACTERISTICS

Finish: Matt	Density (g/ml) 1,58±0,10
Colour: Grey, Red Oxide, Beige	Spreading Rate (m²/l) 12,00 (50 microns DFT)
Thinner: Kanat Thinner 0630 (Low Temp.) Kanat Thinner 0635 (High Temp.)	Flash Point 26°C
Mixing Ratio (By Volume) -	VOC (Volatile Organic Content) 358 g/l
Mixed Product; Volume Solids (%) 60±2	Application Methods Airless, Conventional Spray, Roller

DRYING SCHEDULE(*)

(50 microns/2 mils film thickness)

	Dry to Touch	Hard Dry	Dry to Over Coat Minimum
5°C	20 min.	3 hours	3 hours
15°C	15 min.	1,5 hours	1,5 hours
25°C	10 min.	1 hour	1 hour
35°C	7 min.	45 min.	45 min.

Drying values are valid for defined dry film thickness and below 85% relative humidity.

Fully Cured: 7 days (20°C)

(*) Drying time depends on temperature, humidity and film thickness.

PACKAGING

One pail of **22370 KANALKYD PRIMER** is 16 l.

SHELF LIFE

12 months when the material is stored indoors at 5 to 35°C in unopened original containers.

SAFETY PRECAUTIONS

Refer to the MSDS sheet prepared according to EU directives before use.

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SURFACE PREPARATION

Surfaces must be dry, clean, free of oil, grease and other foreign material.

New Steel Surfaces: Surfaces should be blasted to near-white metal surface cleanliness according to SSPC-SP10 or ISO 8501-1 Sa 2½. Surface cleanliness of St2 - St3 according to ISO 8501-1 is sometimes allowed depending upon the conditions. Depending on ambient conditions, blasted surfaces must be primed in maximum 5 hours with **22370 KANALKYD PRIMER**.

Previously Painted Surfaces: If the aged coating is in a good condition, it is slightly sanded and cleaned by high pressure water cleaning to remove the dust and other contaminations. Otherwise remove all the cracked and peeling paint by using hand tools to a cleanliness of St2 - St3 according to ISO 8501-1. If applicable blast cleaning to Sa 2 - Sa 2½ according to ISO 8501-1 level to get better results. Water jetting is also applicable as an alternative to abrasive blasting.

The Surfaces Other Than Steel: Contact KANAT Project Group for the galvanized, aluminium, plastic surfaces.

Rusty Surfaces: Contact KANAT Project Group.

Touch-up: Remove all dust, dirt and other foreign material and keep dry. Clean the surface to St2 - St3 level mechanically according to ISO 8501-1 and complete the touch up application as soon as possible. **22370 KANALKYD PRIMER** can be safely used for touch up.

APPLICATION PROCEDURES (Mixing Procedure)

It is a one-component paint and should be mixed well after the package is opened. The product should be homogenized and applied after viscosity adjustment is made according to the application equipment.

APPLICATION CONDITIONS

For the best results;

Temperature must be more than 5°C during the application and/or the curing process.

Surface Temperature: At least 3°C above dew point.
Relative Humidity: 85% maximum.

Good ventilation is required during application.

APPLICATION

Stripe coat all crevices, welds and sharp angles. Apply paint at the recommended film thickness and spreading rate. Application of coating above maximum or below minimum recommended spreading rate may adversely affect coating performance. Maximum coating interval is 7 days. Do not apply more than 250 microns (10 mils) WFT to prevent sagging. When using spray application, use a 50% overlap with each pass of the gun to avoid holidays, bare areas and pinholes. If necessary, cross spray at a right angle.

CLEAN UP

**KANAT THINNER 0644, KANAT THINNER 0630,
KANAT THINNER 0635**

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APPLICATION EQUIPMENT

(The table is a guide for 20°C)

Application Equipment	Airless Spray	Conventional Spray	Roller
Thinner maximum	%10	%20	%10
Pressure minimum (bar)	150	2,5	–
Nozzle(inch)	0,015-0,021	1,6-2,2	–

PRECAUTIONS

- Please specify application method. **KANAT THINNER 0625** shall be used for roller application.
- Contact KANAT Project Group in case surface preparation is not applicable either by blasting or mechanical.
- Recoating period is minimum 1-2 hours and maximum 7 days (20°C). Recoating interval depends on temperature, humidity and film thickness. If maximum recoating time is exceeded abrade surface, if the surface is highly contaminated apply water cleaning before recoating.
- 1-2 % retarder shall be added to avoid dry spraying in case temperature is over 30°C, especially for conventional spray application.
- Do not apply heavy coats beyond the specification otherwise solvent popping may occur.

Disclaimer: This product is for professional users only. In case of non-compliance with the instructions or conditions set forth in this document and other additional documents regarding the application of the product, Kanat Paints & Coatings does not accept any responsibility for any damage including but not limited to performance issues. Kanat Paints & Coatings owns all trademarks, patents and licenses mentioned in this document. All values and ratios stated are given in accordance with other values and ratios in the document. All information regarding the product is correct and appropriate to the best of Kanat Paints & Coatings' knowledge, but the factors that are not related to production process, especially external factors, and that may affect the application or use are beyond the control of Kanat Paints & Coatings. It is the user's responsibility to check the validity of this document before using the product. Technical data and instructions published by Kanat Paints & Coatings may change without prior notice. Please contact Kanat Paints for current versions or additional technical data and instructions.