



PRODUCT DATA KEFA AIRLESS 8125 and 8125B

DESCRIPTION KEFA AIRLESS 8125 is a water-based, moisture-absorbing coating. It is a light material with high water absorbing capacity. A 40 mils thick film holds approximately 1 quart/.25 US gallons of water per ten square feet (10 sq. ft).

Recommended use: As a finishing coat where water condensation/mold/mildew are a problem.

Availability: Subject to availability. Call a KEFA representative.

PHYSICAL CONSTANTS:

Color/Shade No.: White/10000
Finish: Flat
Volume solids: 80%
Theoretical spreading rate: See Remarks overleaf
Flash point: 57°C/135°F
Specific gravity: 1.0 kg/liter
8.3 lbs./US gallon
Dry to touch: 1 hour (approx.) at 20°C/68°F
Through dry: 8 hours (approx.) at 20°C/68°F
Shelf life: 5 years from date of production
V.O.C.: 20 g/liter- 0.167 lbs./US gallon
According to US EPA Method 24

APPLICATION DETAILS:

Application method: Airless spray Brush (touch-up only), roller / 8125B brush and roll use
Thinner (max. vol.): None None
Consult separate APPLICATION INSTRUCTIONS
Nozzle orifice: .025" (approx.)
Consult separate APPLICATION INSTRUCTIONS
Nozzle pressure: 50 psi (approx.)
Consult separate APPLICATION INSTRUCTIONS
Cleaning of tools: Fresh water
Indicated film thickness, dry: 60 mils (*See REMARKS overleaf*)
Indicated film thickness, wet: 60 mils (*See REMARKS overleaf*)
Recoat interval, mm: 8 hours (20°C/68°F)
Recoat interval, max: None (*See REMARKS overleaf*)

Safety: Handle with care. Before and during use, observe all safety labels on packaging and paint containers, consult Material Safety Data Sheets and follow all local or national safety regulations. Avoid inhalation, avoid contact with skin and eyes, and do not swallow. Take precautions against possible risks of fire or explosions as well as Protection of the environment. Apply only in well ventilated areas.



SURFACE PREPARATION:	Preceding coats should be sound and tightly adhering. Remove any oil and grease with suitable detergent. Remove salts and other contaminants by high-pressure fresh water cleaning. Remove rust and loose material by abrasive blasting or power tool cleaning. Dust off residues, and touch-up to full film thickness.
APPLICATION CONDITIONS:	Apply only on a dry and clean surface with a temperature above the dew point to avoid condensation. Ambient temperature minimum 5°C/41°F, preferably above 10°C/50°F. Relative humidity below 80%, preferably between 40-60%. Good ventilation during application and drying is necessary (<i>See REMARKS below</i>).
PRIMERS:	According to specification. On steel and other metals, it is important that a suitable anticorrosive system is applied - being resistant to conditions of service resembling frequent/heavy condensation. (<i>Refer to primer recommendation sheet</i>)
SUBSEQUENT COAT:	Must not be overcoated with other materials.
REMARKS:	
Service temp:	Dry service temperature: 79°C/175°F. Dry peak temperature: 100°C/212°F, yet related to the preceding coats.
Volume solids:	This material is very porous by nature. The indicated 80% volume solids has been determined as the ratio between dry and wet film thickness at specific application conditions where no paint loss is encountered. The theoretical solids by volume is 50% based on the formula of composition without correction for porosities.
Film thicknesses:	May be specified in another film thickness than indicated. Normal range is 40-80 mils dry film thickness. This will alter spreading rate and may influence drying time. If applied in higher film thicknesses, for instance areas later on to be exposed to heavy condensation, a special procedure is recommended: apply approx. 40 mils and let it dry for 8 hours (20°C/68°F) under strong ventilation. Then apply the rest of the coat - if necessary by using a "wet-on-wet" technique of application. Consult separate APPLICATION INSTRUCTIONS.
Ventilation:	Under humid conditions, ample ventilation with dry air (40-60% RH) is required to remove water vapors in the drying phase. It is of utmost importance that sufficient ventilation is covering all parts of the surfaces painted. Ventilation requirement to remove water vapor liberated during application and drying is: - At 10°C/50°F: Approx. 20,000 cu. ft/US gallon of paint - At 20°C/68°F: Approx. 10,000 cu. ft/US gallon of paint on condition that the relative humidity of the air supply is 50% and raised to 100% during ventilation. Note that higher film thicknesses will mean need for a stronger ventilation during a longer period.
Theoretical spreading rate:	20 mils dft - approx. 65 sq. ft/US gallon 40 mils dft - approx. 33 sq. ft/US gallon 60 mils dft - approx. 22 sq. ft/US gallon 100 mils dft- approx. 13 sq. ft/US gallon
Shelf life/storage:	Store at temperatures between 5°C/41°F-40°C/104°F. Shelf life is reduced at temperatures above 86°F. Do not expose to frost during storage and transport or before the coating is dry.
Cleaning of tools:	Clean tools carefully with fresh water or lukewarm soap water immediately after use.
NOTE:	KEFA AIRLESS 8125 is for professional use only.
ISSUED:	September 2006



PRODUCT DATA APPLICATION INSTRUCTIONS

For product description refer to the product data sheet

KEFA AIRLESS 8125

Application Equipment:

Pneumatic Spray:	Use an intermediate pressure pump which is able to handle high viscosity products.
Pump:	Graco President 10:1 Model 978-429, 225-886 or equal
Gun:	Graco Model 204-000 or equal
Nozzle:	0.24 - 0.26"
Hose:	3/4" material hose and 3/8" hose
Pump input pressure:	2 bar/28/5 psi
Atomizing pressure:	3.5 bar/50 psi
Airless Spray:	Use a siphon feed pump or a gravity feed pump, with all filters and strainers removed such as: GracoF Ultra 1500, Graco 1000 (Encapsulator) Powertwin 5500, Speeflo Hydra M2000, H.E.R.O. Model 110
Pump:	Graco Silver Gun or equal
Gun:	0.029 - 0.051"
Nozzle:	3/8" - 1/2" hose
Hose:	
Funnel Shaped Spray:	Use a Goldblat, or equal, acoustic hopper spray, funnel-shaped container.
Brush/Roller:	Use a long-haired, soft brush or a 3/8" nap roller. Apply the first layer thinly and build to the proper thickness in the second or if necessary the third layer. Let each layer dry to touch before proceeding.

CRATERS:

Craters may occur--e.g. If mixing has been improperly done, if solid particles occur due to improperly cleaned equipment or if wrong spraying distance is used. Any problem of cratering is aggravated when film thickness is raised, especially when applying "wet-in-wet".

MIXING:

Because of the consistency and composition of 8125, it is always necessary to thoroughly mix before use. For proper mixing, we recommend allowing one hour prior to spraying. We advocate using a 1/2" variable speed drill with a paddle mixer. Stir the product at 250-500RPM for 10 minutes minimum and allow to stand for 15 minutes before application. If available, best results may be achieved using Gyromixer for 3-6 minutes. NEVER use a shaker mixer.

Thinning is not necessary nor recommended, as the product is supplied ready for use. Heating the material to 35°C or 97°F just prior to application with an inline or pot heater is recommended.

CLEANING OF EQUIPMENT:

Spraying equipment must be free from oil, solvents, etc. before use. It is recommended that the equipment is cleaned as follows:

Prior to use:	Clean thoroughly with plenty of fresh water.
After use:	Clean thoroughly with plenty of fresh water. Whenever the compound is wet, it promotes rust, so any equipment, especially the pump, should be oiled after use. Do not forget to remove this before the next use. It is also recommended for the preservation of the pipes and hoses that they be filled with mineral spirits during storage.

SURFACE PREPARATION:

Preceding coats should be sound and tightly adhering. Remove any oil and grease with suitable detergent. Remove salts and other contaminants by high pressure fresh water cleaning. Remove rust and loose material by abrasive blasting or power tool cleaning. Dust off residues.

APPLICATION CONDITIONS:

Apply on a clean and dry surface with a temperature at least 25°C/5°F above the dew point to avoid condensation. Ambient temperature minimum 5°C/41F, preferably above 10°C/50F. Relative humidity below 80%, preferably between 40% - 60%. Good ventilation during application and drying is necessary. (See REMARKS below)



PRECEDING COAT:

According to specification. On steel and other metals it is important that a suitable non-zinc anti-corrosive system is applied--being resistant to conditions of service resembling frequent heavy condensation.

SUBSEQUENT COATS:

Must not be over coated with other materials.

REMARKS:
Climates:

Climate may contribute to conditions that will produce condensation. Measurements of surface temperature, air temperature, and relative humidity are essential to determine the dew point. In cold climates radiant heating of surfaces to be coated may be required where thermal transmission of cold to the surface is a factor. In hot or humid climates desiccated (dry) heated air to the space may be required.

Ventilation:

Under humid conditions ample ventilation with dry air (40 - 60% RH) is required to remove water vapors in the drying phase. It is of utmost importance that sufficient ventilation is covering all parts of the surface painted. Ventilation requirements to remove the water vapor during application and drying is:

- At 10°C/50°F: Approx. 150 m³/litre (20,000 cuft/US gallon) of paint
- At 20°C/68°F: Approx. 75 m³/litre (10,000 cuft/US gallon) of paint

on condition that the relative humidity of the air supply is 50% and raised to 100% during ventilation. Note that higher film thickness will mean need for a stronger ventilation during a longer period

Theoretical Spreading Rate:

Approximately 33 sqft. per gallon @ 40 mils.

Shelf Life Storage:

Store at temperatures between 5-40°C/41-104°F. Do not expose to freezing during storage and transport or before the coating is dry. Avoid outdoor storage where packages can be exposed to direct sunlight. Do not exceed the maximum shaded outdoor storage temperature of 100°F.

Service Temperature:

Dry service temperature - 40°C/-40°F to 80°C/175°F.
Dry peak temperature - 100°C/212°F, yet related to the preceding coats.

V.O.C.

The Volatile Organic Compounds are 20 gr/litre, .167 lbs/US gallon

Note:

KEFA Airless 8125 for professional use only.

Safety:

Packings are provided with applicable safety labels which should be observed. In addition, national or local safety regulations should be followed. As a general rule, inhalation of solvent vapors or paint mist and contact of liquid paint with skin and eyes should be avoided. Forced ventilation should be provided when applying paint in a confined space or stagnant air. Even when ventilation is provided, respiratory, skin, and eye protection are always recommended when spraying paint. (Refer to Product Material Safety Data Sheet).

Issued:

September 2006 – KEFA (USA) INC.

This Product Data Sheet supersedes those previously issued. For definition and scope, see “Explanatory Notes” to the Product Data Sheets. Data, specifications, directions, and recommendations given in this data sheet represent only test results or experience obtained under controlled or specially defined circumstances. Their accuracy, completeness, or appropriateness under the actual conditions of any intended use of the products herein must be determined exclusively by the Buyer and/or User. The products are supplied and all technical assistance is given subject to KEFA’s GENERAL CONDITIONS OF SALES, DELIVERY, AND SERVICE unless otherwise expressly agreed in writing. The Manufacturer and Seller disclaim, and Buyer and/or User waive all claims involving any liability, including but not limited to negligence, except as expressed in said GENERAL CONDITIONS for all results, injury, or direct or consequential losses or damages arising from the use of the products as recommended above, on the overleaf, or otherwise. Product data are subject to change without notice and become void five years from the date of issue.



Recommended Primers for Kefa Airless 8125 and 8125B Kefa Kote

Navy/Marine Use:

MIL-DTL-24444 1- F150 TY-III or TY-IV

MIL-PRF-23236- TY IV or TY V

TT-P-645B YELLOW/WHITE

Light Commercial/Industrial Use:

Ferrous Metal

Concrete/Masonry

CMU

New Aluminum

Weathered Aluminum

New Galvanized

Weathered Galvanized

Rust Inhibitive primer

Acrylic Primer / None Required

Acrylic Block Filler

TT-P-645B / Wash Primer/Prep Wash

DTM Acrylic Primer

See New Aluminum / None Required

DTM Acrylic Primer/ Epoxy Primer

See New Galvanized / None Required

Heavy Commercial/Industrial

Ferrous Metal

Concrete/Masonry

CMU

New Aluminum

Weathered Aluminum

New Galvanized

Weathered Galvanized

Rust Inhibitive Epoxy Primer

Acrylic Primer / None Required

Acrylic Block Filler

TT-P-64445B / Wash Primer

See New Aluminum / None Required

DTM Acrylic Primer / Epoxy Primer

DTM AcryliciProxy / None Required

**FOR ADDITIONAL INFORMATION CONTACT YOUR KEFA
REPRESENTATIVE OR CALL PAINT SUPPLY COMPANY AT
757-247-6651**

