

Atlantic Frigate

TWO COMPONENT EPOXY COATING FOR INTERNAL SMOOTH COATING



About the Product

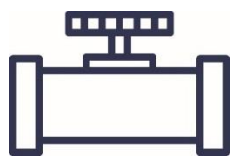
Epoxy coating Atlantic Frigate is a rapidly hardening two-component epoxy-based coating with a high proportion of non-volatiles.

Scope of Usage

The product is used as a single-layer coating for the internal surfaces of gas pipelines designed to transport dry purified gas. By making the internal walls of the pipeline smoother, the coating thereby facilitates the passage of gas inside the pipe

Advantages

- high speed of application
- low wear of nozzles
- easy to remove
- low volatiles
- high drying speed
- high rate of adhesion to steel



20%
Increase in throughput capacity
of gas pipelines



Less than 10 microns
Surface roughness, regulated by
particle size.



3 years
The payback period associated with
the epoxy paint for smooth coating
the pipeline.

Component Proportions

Component. A : Component. B

Weight: 5,5 : 1 (±5%)

Volume: 4 : 1 (±5%)

All of our expertise will be at your service.

Preparing the Surface

Carefully remove traces of oil, grease, salt and other such contaminants. Perform abrasive blast cleaning to a minimum of Sa 2 1/2 according to ISO 8501-1 with a surface roughness of Rz = 25 ... 60 µm (ISO 8503-1) or in accordance with the specification. It is necessary to ensure that the substrate is cleaned of contaminants that prevent adhesion. Recommended surface temperature at the time of application should be + 15 ° C ... + 35 ° C.

Preparing the Material

Mix component A with an electric mixer. For manual mixing, add component B in the prescribed proportion and mix with an electric mixer until a homogeneous mixture is obtained. When mixing, cover the bottom and walls of the container. When applied to 2-K equipment with automatic dosing, it is necessary to take the presence of the exact dosage under the supervision of the appropriate control unit. The recommended temperature of the components at the time of application should be + 40 ± 5 ° C.

Application

This product is recommended to be applied by airless spray.

Apply only to a dry, clean surface at temperatures above the dew point to prevent condensation.

Minimum required spray pressure at nozzle, bar*	180
Spray nozzle, inches	0,015 – 0,036
Minimum spray angle	50°
Viability: at 20°C at 40°C	60 minutes** 15 minutes
Recommended dry film thickness, microns	120
Recommended wet film thickness, microns	140
Maximum relative humidity,%	85

* Data for airless application is recommended and subject to change.

** Viability may vary depending on conditions of use.

Delivery

Shipment of Atlantic Frigate brand products takes place in 200L barrels.

Conclusion

The coating passed the whole range of tests and meets the requirements of the API RP 5L2 standards of the American Petroleum Institute, DIN EN 10 301: 2004, ISO 15741: 2001, TRANSCO CM2 and STO Gaz-prom 2-2.2-180-2007.

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