

MULTI RESISTEC

PRODUCT INFORMATION SHEET



Multi Resistec is a European engineered coating developed for Middle East climate conditions. A combination of acrylic enforced epoxy and Aliphatic PU resin results in a siloxane with high chemical resistance and a smooth finishing surface.



1974

Zamil Air Conditioners (ZAC) is one of the first air conditioning companies to be established in Saudi Arabia. Today ZAC is a leading international manufacturer of air conditioning systems and is the number one manufacturer in the Middle East.

ZAC manufactures both consumer and central air conditioners and has sales operations in over 55 countries in the Middle East, Europe, Africa and Asia.

The company's operations are structured into four Strategic Business Units (SBUs) supporting six in-house product and service brands as well as number of international brands under the OEM Sales.

The six in house brands are as follows:

Zamil

Classic

Cooline

CoolCare

ClimaTech

Geoclima

Today



Components

Multi Resistec is a two pack Poly Urethane (PU) based high solid enforced siloxane technique. This has combined the Aliphatic PU product properties modified with epoxy / acrylic based components. It establishes a combination of smoothness, chemical resistance, flexibility and ease of application, which are required for increasing the life of HVAC equipment.



Characteristics

Multi Resistec is a coating for panels, piping, fans, grids, or other metal components of HVAC equipment. The coating has been designed to withstand extreme weather conditions. It can be applied on top of factory powder coating, on rusty surfaces and all bare metals.

The siloxane techniques have been proven successful to high chemical exposure. The smooth finish rejects chemical deposits, dust, dirt and permits easy cleaning.

- High chemical resistance
- Multi functional to all applicable metals
- Anti bacterial, anti algae and anti fungus



Surface conditions

Factory powder coat: Sanding, cleaning, drying, Mastic Resistec, **Multi Resistec**

Steel: Sanding, cleaning, drying Mastic Resistec, **Multi Resistec**

Galvanised steel: 5% Ammonia, cleaning, drying, Mastic Resistec, **Multi Resistec**

Aluminium: Cleaning, Mastic Resistec, **Multi Resistec**

Old Paint Layers: Sanding, cleaning, Rust Resistec, Mastic Resistec, **Multi Resistec**

Rusty Surfaces: Remove rust, cleaning, Rust Resistec, Mastic Resistec, **Multi Resistec**

FOR PROFESSIONAL USE ONLY

IMPORTANT NOTE The information in this data sheet is not intended to be exhaustive and is based on the present state of our knowledge and on current laws: any person using the product for any purpose other than that specifically recommended in the technical data sheet without first obtaining written confirmation from us as to the suitability of the product for the intended purpose does so at his own risk. It is always the responsibility of the user to take all necessary steps to fulfill the demands set out in the local rules and legislation. Always read the Material Data Sheet and the Technical Data Sheet for this product if available. All advice we give or any statement made about the product by us (whether in this data sheet or otherwise) is correct to the best of our knowledge but we have no control over the quality or the condition of the substrate or the many factors affecting the use and application of the product. Therefore, unless we specifically agree in writing otherwise, we do not accept any liability whatsoever for the performance of the product or for any loss or damage arising out of the use of the product. All products supplied and technical advice given is subject to our standard terms and conditions of sale. You should request a copy of this document and review it carefully. The information contained in this data sheet is subject to modification from time to time in the light of experience and our policy of continuous development. It is the user's responsibility to verify that this data sheet is current prior to using the product.



AN ECO FRIENDLY INITIATIVE OF
ZAMIL AIR CONDITIONERS
DAMMAM - SAUDI ARABIA

www.zamilac.com

MULTI RESISTEC



ResisTec[®]
Anti Corrosion Coating
from **Zamil**



Instructions for use

After mixing Component A and B add 10-25 % thinners (PU STD 3110 / PU fast 3111)

While opening the can, cover the cap with cloth, the container might be under pressure, wear safety goggles while opening. Mix 4 to 1.

Allow products to acclimatize before use.

Use mechanical stirring device till all pigment is uniformly dispersed.

Do not add water, just use specified thinners for dilution



Product Application



• **Spray viscosity** // (21 °C / 70 ° F) / RFU 24 sec
ISO din cup 4 mm



• **Airless Airmix** // 24 - 28 sec



• **Potlife** // (21°C / 70 °F), 55% RH 5 - 6 hours
mixed with hardener



• **Dry Film Thickness** //1- 3 layer 60 -180 µ/ 2,5
to 8 mil



• **Flash off** / 5-10 minutes.



Tests

ASTM B117 SaltSpray 3000 hours

Manufacturer Specifications:

ASTM G-85 Modified SaltSpray 3000 hours

Taber Abraser wearing test, Erichsen flexibility test, Kesternich sulphur test



Physical Properties

Drying times

Substrate temperature	21 °C/70 °F	40 °C/104 °F
Dry to dust	1.5 - 2 hours	0.5 hour
Dry	8 - 10 hours	7 hours
Fully cured	7 days	7 days

** **Special attention** Curing of ResisTec products depends on Temperature, Relative Humidity and air flow. Increased temperatures, high RH and airflow can decrease the drying times significantly.



Application Conditions

Temperature : 5 – 35 °C // 40 – 95 °F

Relative Humidity: 35 – 80 %

Application condition limits are sensitive: expect increased drying times and potlife over the limits, and decreased drying time and potlife under the limits.



Color: Grey RAL 7001



Volatile Organic Compound: 350 gram /litre

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