

# SYNTOX-AQ

## DESCRIPTION

**SYNTOX-AQ** is a two-component primer, based on a low-viscosity aqueous liquid epoxy resin, specially designed for porous metal surfaces for use in the chemical and food service atmosphere.

## COMPONENTS

**COMPONENT A:** **SYNTOX-AQ Resin**  
Mixture of resins and additives in organic solvents

**COMPONENT B:** **SYNTOX-AQ Catalyst**  
Dilution of catalyst additives

## APPLICATIONS

**SYNTOX-AQ** is used as a sealing base for concrete, mortar, cement, fibre cement, etc., in environments with poor ventilation.

## COMPONENT CHARACTERISTICS

Characteristics	Units	Resin	Catalyst
Specified weight 25°C	g/ cm <sup>3</sup>	1.551	1,108
Non-volatile	%, weight	71,3	64,2
Flammability Temp.	°C	67	75

# SYNTOX-AQ

## SYSTEM CHARACTERISTICS

A / B mixture ratio: 100/25 in weight

Characteristics	Units	Syntox-AQ
Specified weight	g/cm <sup>3</sup>	1,46
Adherence	Kg/cm <sup>2</sup>	> 35
Extensibility	ASTM %	100
Finish	-	Rough matte
Colour	-	White
Drying, to touch at 20°C	hours	2-3
Coverage, by coat according to support condition	m <sup>2</sup> /kg	6-7
Thinner	-	Water
Repainting interval (minimum) at 20°C	hours	12
Mixture lifespan	hours	2-3

### Notes:

- Upon calculating practical coverage, product loss percentages must always be taken into consideration due to surface irregularities, application system, etc.
- Addition of solvents proportionally modifies the solids content of the paint and thus, the thickness required for the wet layer.

## PROPERTIES

1. Excellent wetting capacity, penetrating different porous surfaces while facilitating adherence.
2. It leaves the support sealed and in optimal conditions for finish application.
3. Easy application.
4. Excellent chemical and mechanical surface resistance to alkalinity and salinity.
5. Recommended as a highly adherent bridge coating for Synthesia Technology polyurea systems.

## SYNTOX-AQ

### SUPPORT CONDITIONS

Supports must be clean, dry and free of oils, grease, oxidation, dust or any contaminant substance.

For use on concrete pavement, clean previously with a steel brush, abrasive grinding wheel or sandblasting using neutral silica. Thoroughly vacuum the dust.

For use on concrete walls, brick, plaster, etc., remove old loose paint, debris and surface contaminants, using fresh water or neutral detergents.

### APPLICATION OF PRODUCT

Shake or stir the product prior to use for 2 or 3 minutes and apply using a brush, roller or airless sprayer.

For better coverage, at the moment of application, dilute with 15% - 20% water, depending on support absorption.

For better quality and optimal finish, apply the product within a temperature range of 5°C to 35°C, with relative humidity not exceeding 70%, on supports higher than the spray line in order to prevent potential condensation.

### STORAGE RECOMMENDATIONS

The product must be stored properly and protected from freezing and direct sunlight.

In these conditions, within a temperature range of 5°C to 40°C, the unopened product will keep for a period of no less than 1 year.

### SAFETY RECOMMENDATIONS

Toxic if inhaled or ingested, causing severe irreparable harm. Prevent exposure to skin or eyes. In the event of prolonged contact, wash with abundant soap and water. Use required personal protective equipment during use. Keep out of reach and sight of children. Keep containers properly closed and stored, in areas with adequate ventilation. Preparation and handling must be in accordance with the product's Safety Data Sheets.

### SUPPLY

SYNTOX-AQ Primer product. Available in containers of 750 cm<sup>3</sup>, 5 kg and 20 kg.