



**resoltech**  
ADVANCED COMPOSITE TECHNOLOGY

# 4070-ALIM

## RESOLCOAT COATING FOR FOOD & DRINKS CONTAINERS

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**RESOLCOAT 4070-ALIM is an epoxy coating system formulated to coat and line containers and surfaces in contact with food and drinks. It is approved by the health authorities and provides a smooth, glossy finish. It can be applied over a variety of materials. RESOLCOAT 4070-ALIM can be applied by brush, roller or sprayed.**

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### PREPARATION

RESOLCOAT 4070-ALIM is a coating system that can be applied over a laminate, metals or even concrete. On porous materials, a primer such as RESOLCOAT 1010 should be used first. The surface should be clean, dust free and degreased. If applied onto a mould, the standard mould preparation procedure should be followed.

### MIXING

- BY WEIGHT: 1 to 1
- BY VOLUME: 10 to 7

**WARNING:** The mixing ratio must be strictly accurate. It is not possible to change the ratio as it would result in lower mechanical properties. The mixture should be thoroughly stirred for at least one minute.

It is important to note that epoxy systems tend to heat up much faster in a pot than as a thin film. It is therefore necessary to only mix the necessary amount usable within the given pot life. Keeping the mixture in flat open trays reduces the risks of exothermic reaction.

### APPLICATION

RESOLCOAT 4070-ALIM can be applied by brush, roller or airless spray.

Film thickness should be at least 500 microns.

It enables users to coat large areas without joints or seams. The coating will be non-porous.

A 500 microns film will require 0.7kg per M<sup>2</sup>.

The minimum application temperature is 10°C. One or two coats of RESOLCOAT1010 should be applied as a primer on porous surfaces.

RESOLCOAT 4070-ALIM is not solvented and is easy to apply in enclosed spaces as it is safe for the applicator. The system is also non-flammable.

### CURING

Pot life for 100g at 20°C is 16 hours.

Full cure at 25°C takes 21 days. Increasing temperature will reduce the curing time.

The system is able to cure at low temperatures and in high humidity conditions.

## **PHYSICAL & MECHANICAL PROPERTIES**

Resin aspect	Grey or red thixotropic liquid
Hardener aspect	Brown liquid
Mixture aspect	Grey or red thick liquid
Resin density	1.14
Hardener density	1.64
Mixture density	1.4

## **COMPATIBILITY**

RESOLCOAT 4070-ALIM is suitable for foods, water, wine, vinaigre, vegetable oils, etc. It can also be applied on kitchen surfaces in contact with food products. Also suitable for lining refrigerated vehicles.

## **PACKING & STORAGE**

RESOLCOAT 4070-ALIM is available in packs of 1Kg, 4.5Kg & 20Kg. Shelf life is one year in sealed containers as provided. Keep containers sealed and away from heat and cold. The containers should be stored in a dry and ventilated area.

## **HEALTH AND SAFETY**

RESOLCOAT 4070 is an epoxy system. It is advised to follow basic rules such as avoiding skin contact, wear masks when producing dust. Please read our standard health and safety sheet for more information.

In case of eye contamination, wash with water and seek medical advice.

More information is available on [www.resoltech.com](http://www.resoltech.com).

The data provided in this document is the result of tests and is believed to be accurate. We do not accept any responsibility over the mishandling of these products and our liability is limited strictly to the value of the products we manufacture and supply.

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