



# RESOLCOAT 4070AL

## Hardener 4078 AL

### Food - Grade Epoxy Coating

- **New Formula, REACH certified.**
- **Fast hardening in film.**
- **Excelent chemical resistance.**



**RESOLCOAT 4070AL** epoxy coating is formulated in replacement of older systems containing aromatic nucleus that are no longer legal to use since the REACH implementation in EU.

RESOLCOAT 4070 AL is a 100% dry extract anti-corrosion epoxy coating formulated to provide maximum resistance to chemicals agents. It is designed to be used as a protective liner for tanks and machinery in contact with food products.

The system has a short hardening time in film enabling fast applications and reduced down time of existing installations. it is non-flammable and provides a smooth, non-porous **high gloss finish**.

The 4070AL is indicated for all Food grade applications . Solvent less, it will not transmit any flavour or odour to the food that will be in contact with the coating.

Resolcoat 4070AL may be applied as coating but also as laminating resin when thin glass reinforcements are necessary, specially in the case fo repairs of tanks.

It can be applied by brush roller or airless while guaranteeing low toxicity working conditions to the users.

Very little sensitive to ambient humidity, it may be applied at temperatures as low as 5°C.

On porous surfaces it is recommended to prime the surface with a coat of 150 gr/m2 of 1010AD resin with 1015 hardener.

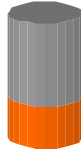
# RESOLCOAT 4070AL

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## Food Grade Epoxy Coating

### MIXING RATIO

	By weight
Resin 4070AL	100
Hardener 4078 AL	42



**Warning:** the mixing ratio must be accurately followed. It is not possible to change the ratio, it would result in lower mechanical properties. The mixture should be thoroughly stirred to ensure full homogeneity. It is important to note that epoxy systems tend to heat up much faster in a pot than as a thin film. It is preferable to only mix the necessary amount usable within the given pot life. Keeping the mixture in flat open containers reduces the risks of exothermic reaction. Pouring the mix in a second mixing container to ensure perfect mixes is recommended (double potting)

### APPLICATION

Although Resolcoat 4070AL polymerizes perfectly starting from temperatures of 5°C, it is preferable to mix the resin component with the hardener close to 20°C to ease the mixing and the air releasing of the mix.

The standard procedure of working with epoxy coatings applies this system. The 4070AL system can be applied by brush, roller, or airless gelcoater.

4070AL has been formulated for application of 500 µm without sag on vertical surfaces. 2 coats are recommended.

**Pot life @25 °C on 100 gr:** 30 min.

**Coverage:** 0,65 kg/sqm for a 500 µm thickness dry film per coat

**Over coating:** It's fast drying time in film will enable **over coating** within 4h. to 8 hours. Should over coating be done after 8 hours, deglazing the surface will be necessary.

**Curing:** 24 to 48h for optimum cure at ambient temperature.

It is recommended to do small mixes in flat, wide open containers as the 4070AL/4078 AL is very reactive.

### PHYSICAL CHARACTERISTICS @ 23°C

#### Visual aspect

4070AL :Thixotropic liquid, beige (RAL 1015 standard but other colors available upon request)

4078 AL :Transparent yellow liquid.

Mix :Thixotropic gel, beige (RAL 1015)

#### Density

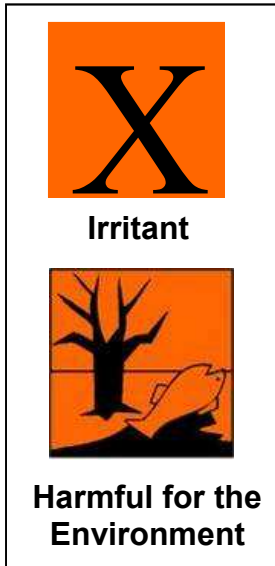
REFERENCES	4070AL	4078 AL	Mix
DENSITY	1.33	1,25	1,30

# Resolcoat 4070AL

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## LABELLING

4070AL



4078 AL



## PACKAGING

- 15 kg kit: 10 kg of 4070AL + 5 kg of 4078 AL

## HEALTH & SAFETY

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.

## TRANSPORT & STORAGE

Shelf life is one year in sealed containers as provided. Keep containers sealed and away from heat and cold preferably between 10°C and 30°C in a well ventilated area.

Nota 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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Page 3/4