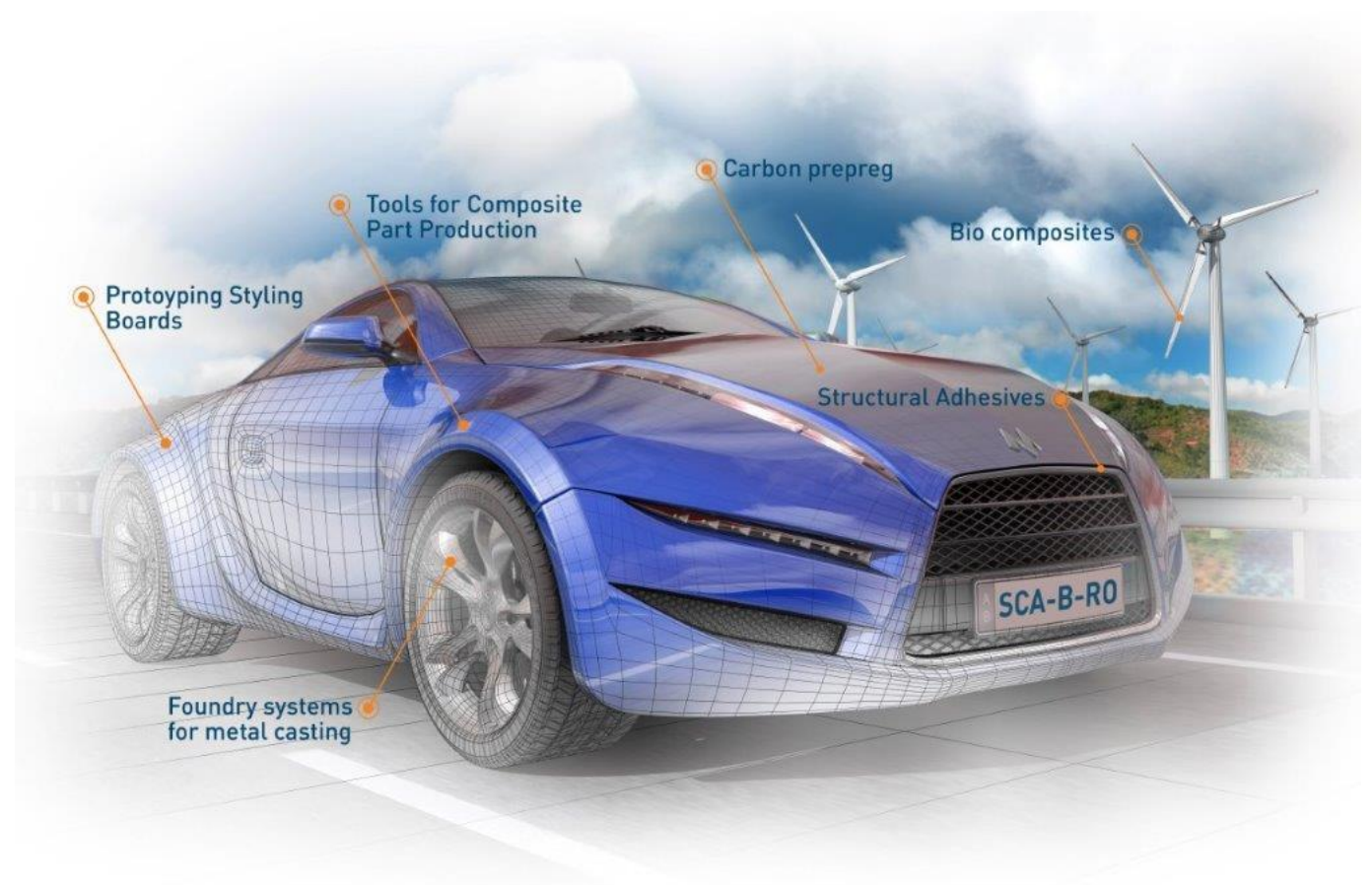


TECHNICAL DATASHEET

RESOLTECH 4030W

4034W - 4036WM

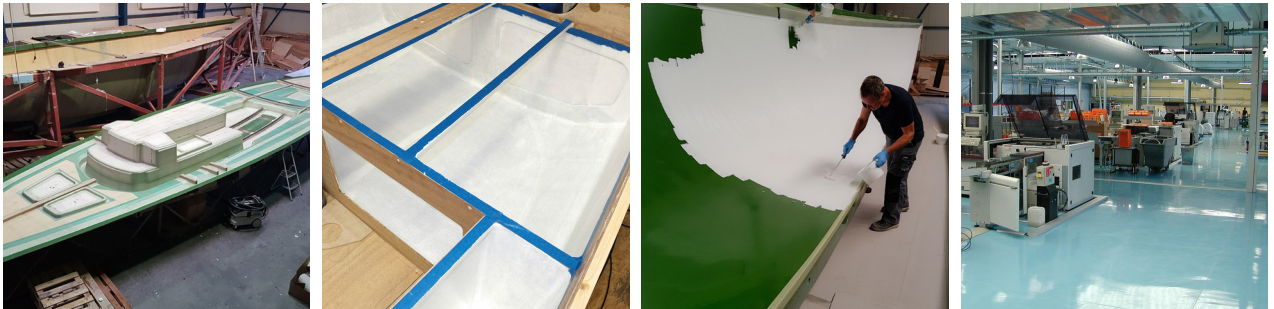


MALLENBOUW | COMPOSITEN | LIJMEN

resoltech 4030W (THIX)

Hardeners 4034W and 4036WM

Water-based epoxy paint



- Ease of use of water based products
- Ready to use kits, neutral base with RAL pigments availables
- Brush, roller or spraygun application
- High gloss or mat depending on hardeners
- High mechanical and chemical resistances
- Gel version for «in mould» applications

INTRODUCTION

Miscible with water up to 50% in volume, this solvent free topcoat formula is used to achieve a painted finish, glossy (4034W hardener) or matte (4036W hardener), on numerous materials, steel, concrete or composites.

Application is easily done with a brush, roller or spraygun.

Because of its insensitivity to moisture, no cloudy layer may build up, even under high ambient humidity levels. Low surface tensions of the film raise degassing and help to get a smooth finish.

Covering power is on the high side, as well as oil, acid and wear resistance. Those properties make 4030 W the preferred solution for bilges or industrial floors protection.

The THIX (for thixotropic) version has been developed as an alternative product to polyester gel-coats, highly resistant to sagging on vertical plane. After demoulding, surface is perfectly closed, without any pinhole defects which have a detrimental effect on finish. Once lightly deglazed, surface is ready for a lacquered finish, saving a huge number of coating and sanding hours.

Always concerned about HSE matters, Resoltech formulated the 4030W system without any CMR components or COVs.

MIXING RATIO & DILUTION

The mixing ratio must be accurately followed. The mixture should be thoroughly stirred to ensure full homogeneity. 4030W system exists in white version (4030W BLANC) or in neutral base to be tinted (4030W NEUTRE).

Versions	Pre-tinted (WHITE)		Neutral to be tinted	
Systems	4030W BLANC/4034W	4030W BLANC/4036WM	4030W/Pigment/4034W	4030W/Pigment/4036WM
Ratio (weight)	100/80	100/100	100/23/100	100/23/123
Dilution %	10-35			

WARNING: Mixing order -> resin+pigment/mixing/+hardener/mixing/+water/mixing

APPLICATION

- In order to facilitate water evaporation, it is recommended to use products at a temperature around 18-25°C.
- A lower application temperature is possible (15°C) if good ventilation is ensured.
- Do not use when hygrometry is above 70%.
- Resoltech 4030W should not be used on surfaces exposed to intense direct UV exposure.
- Theoretical standard coverage per coat for a 50 micron film: 10m²/kg.

1 Paint

Never use matte version (hardener 4036WM) as first coat on porous substrates.

- 90% of the success of a flooring relies on the care provided to surface preparation.
- On laminates without peelply, sand, clean and degrease the substrate prior to painting.
- Do not wait more than 4 days at 20°C between each coat in order to maximize chemical adhesion.

2 In mould paint (THIX version)

Any in mould application must be approved by internal tests.

- 4030W THIX can be applied either by brush or roller.
- After water evaporation, stratification or infusion must be done within 15 days at 20°C.

3 Flooring

- On new concrete slab, let dry for 28 days.
- Concrete must be shot-blasted or etched with hydrochloric acid (10%) then washed with water.
- On concrete applications, it is recommended to use a first layer of 4030W diluted at 40% with water as primer.
- Then two coats are recommended to ensure a perfect closing of the substrate.
- Do not wait more than 4 days at 20°C between each coat in order to maximize chemical adhesion.

PHYSICAL CHARACTERISTICS

1 Visual aspect

4030W BLANC (THIX) / NEUTRE:
White / Beige liquid

4034W & 4036WM :
Milky beige liquid

Mélange :
Milky white liquid

2 Density

References	4030W	4034W	4036WM
Density at 23°C	1.85	1.05	1.05
Mix density at 23°C	-	1.45	

ISO 1675, ± 0.05 tolerance

DRYING AND HARDENING

Systems	4030W/4034W & 4036W
Potlife at 20°C	1h
Dry film at 20°C	15 min
Fully hardened film at 20°C	24h

Reactivity measurements realized on Trombotech®

PACKAGING

High-gloss 4030W BLANC kits :

Kits	4030W BLANC	4034W
1.8kg	box 1kg	jerrycan 0.8kg
3.6kg	bucket 2kg	jerrycan 1.6kg
9kg	bucket 5kg	jerrycan 4kg
18kg	bucket 10kg	jerrycan 8kg
36kg	bucket 20kg	jerrycan 16kg

Matte 4030W BLANC kits :

Kits	4030W BLANC	4036WM
2kg	box 1kg	jerrycan 1kg
4kg	bucket 2kg	jerrycan 2kg
10kg	bucket 5kg	jerrycan 5kg
20kg	bucket 10kg	jerrycan 10kg
40kg	bucket 20kg	jerrycan 20kg

High-gloss finish to be tinted kits :

Kits	4030W NEUTRE	Pigment	4034W
2.55kg	box 0.8kg	box 0.95kg	jerrycan 0.8kg
9kg	bucket 4.05kg	box 0.95kg	jerrycan 4kg
18kg	bucket 8.1kg	2 boxes 0.95kg	jerrycan 8kg

Matte finish to be tinted kits :

Kits	4030W NEUTRE	Pigment	4036WM
2.75kg	box 0.8kg	box 0.95kg	jerrycan 1kg
10kg	bucket 4.05kg	box 0.95kg	jerrycan 5kg
20kg	bucket 8.1kg	2 boxes 0.95kg	jerrycan 10kg

4030W THIX kits :

Kits	4030W THIX	4034W
1.8kg	box 1kg	jerrycan 0.8kg
3.6kg	bucket 2kg	jerrycan 1.6kg
9kg	bucket 5kg	jerrycan 4kg

HEALTH & SAFETY

Skin contact must be avoided by wearing protective nitrile gloves & overalls or other protective clothing.

Eye protection should be worn to avoid risk of resin, hardener, solvent or dust entering the eyes. If this occurs flush the eye with water for 15 minutes, holding the eyelid open, and seek medical attention.

Ensure adequate ventilation in work areas. Respiratory protection should be worn with ABEKP coded filters.

Resoltech issues full Material Safety Data Sheet for all hazardous products. Please ensure that you have the correct MSDS to hand for the materials you are using before commencing work.

TRANSPORT & STORAGE

Keep containers sealed and away from heat and cold preferably between 10°C and 30°C in a well ventilated area. Our products are guaranteed in their original packaging (check expiry date on the label).

! 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.

resoltech 
ADVANCED TECHNOLOGY RESINS
resolving your engineering challenges
resoltech.com

249, Avenue Gaston Imbert
13790 ROUSSET
FRANCE

Tél. : +33 (0)4 42 95 01 95
Fax : +33 (0)4 42 95 01 98
export@resoltech.com