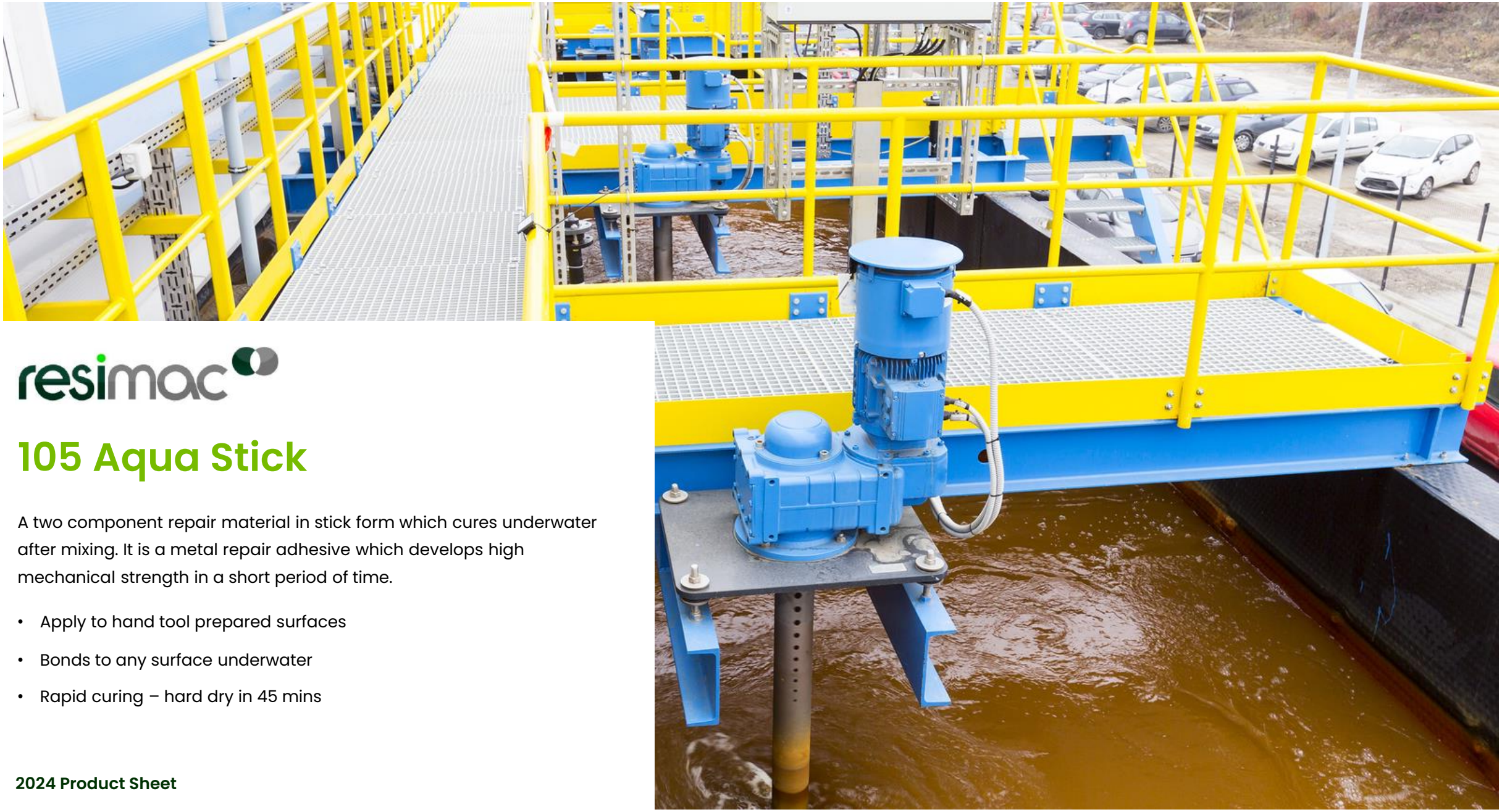


105 Aqua Stick

A two component repair material in stick form which cures underwater after mixing. It is a metal repair adhesive which develops high mechanical strength in a short period of time.

- Apply to hand tool prepared surfaces
- Bonds to any surface underwater
- Rapid curing – hard dry in 45 mins

2024 Product Sheet

Typical Applications

A two component repair material in stick form which cures underwater after mixing. It is a metal repair adhesive which develops high mechanical strength in a short period of time.

- Concrete repairs
- Metallic surfaces
- Concrete surfaces underwater
- Metallic surfaces underwater

Characteristics

Appearance

Base	Green putty
Activator	Cream putty
Mixed	Light green putty

Solids Content

100%

Volume Capacity

55.5cc per 125gm stick

Mixing Ratio

Product supplied in stick form

Storage Life

5 years if unopened and stored in normal dry conditions; 15-30°C (59-86°F)

Sag Resistance

Nil at 25mm

Cure times

Overview

The applied material should be allowed to harden for the times indicated below before being subjected to the conditions indicated:

Useable Life		Min Machining Time		Full Cure	
10°C/50°F	30 mins	10°C/50°F	1.5 hours	10°C/50°F	3 hours
20°C/68°F	15 mins	20°C/68°F	45 mins	20°C/68°F	1.5 hours
30°C/86°F	7.5 mins	30°C/86°F	22.5 mins	30°C/86°F	45 mins
40°C/104°F	3.5 mins	40°C/104°F	11 mins	40°C/104°F	22.5 mins

Chemical Resistance

The product resists attack by a wide variety of inorganic acids, alkalis, salts and organic media. For more detailed information refer to the Resimac Technical Centre for advice.

Health & Safety

Please ensure good practice is observed at all times during the mixing and application of this product. Protective gloves and other recommended personal protective equipment must be worn during the mixing and application of this product. Before mixing and applying the material please ensure you have read and fully understood all information.

Quality

All Resimac Products are supplied under the scope of the company's fully documented quality system.

Warranty

Resimac warrants that the performance of the product supplied will conform to the typical descriptions quoted within this specification provided material is stored correctly and used according to the procedures detailed in the Technical Data Sheet for the material.

Pack Sizes

This product is available in the following pack sizes:
125gm

Mechanical Properties

Compressive Strength
Tested to ASTM D695
843kg/cm² (12,000psi)

Flexural Strength
Tested to ASTM D790
455kg/cm² (6470psi)

Hardness
Rockwell R to ASTM D785 92

Heat Resistance
Suitable for use in immersed conditions at temperatures up to 50°C (122°F)

Resistant to dry heat up to 150°C (302°F) dependent on load

Adhesion
Tensile Shear to ASTM D1002 on abrasive blasted mild steel with 75 micron profile 185 kg/ cm² (2630 psi)

Pull off Adhesion to ASTM D4541 on mechanically prepared mild steel to ST2 surface cleanliness 125kg/ cm² (1780 psi)

Food Contact
USDA compliant for incidental food contact.

Application Guide

A. Surface Preparation

Metallic Substrates – Hand tools

1. The material is suitable for application to manually prepared surfaces that are underwater, including flanges.
2. All loose material such as old coatings and repair materials must be cleaned from the surface prior to application using wire brush, chisels or scrapers.

Overcoating Times

Minimum
The applied material can be overcoated as soon as it is touch dry.

Maximum
The overcoating time should not exceed 90 mins.

PLEASE NOTE: Where the maximum over-coating time is exceeded, the material should be allowed to harden before being abraded.

B. Mixing & Application

Prior to mixing please ensure the following:

1. The ambient & surface temperature is above 5°C (41°F).
2. The product is supplied in stick form and therefore the base and activator component are premeasured.
3. Simply break off the required amount of material from the stick and using gloved hands knead the product until the green and cream components become a consistent pale green colour.
4. The product once fully mixed has a usable life of 15mins at 20°C (68°F).

Overcoating Times

Minimum
The applied material can be overcoated as soon as it is touch dry.

Maximum
The overcoating time should not exceed 4 hours.

Quick Application Guide

Step 1

Remove the metal stick from the plastic tube.

Step 2

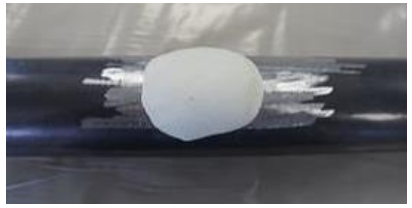
Cut off the required amount.

Step 3

Using a gloved hand mix the 2 components together.

Step 4

Ensure you have a consistent light green coloured putty before applying.



Step 5

Apply the mixed product to the damaged surface.

About Resimac

A UK based manufacturer of epoxy and polyurethane coatings and repair materials.

From our head office in the heart of rural North Yorkshire, England we supply our range of Epoxy, Polyurethane & Silicone coatings and repair materials to the Oil & Gas, Petrochemical, Marine, Paper & Pulp, Water, Power Generation & Chemical Industries.

Legal Notice

Information & Enquiries

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