



# Polyester CONSTRUCT

## Technical Data Sheet

Reviewed: 30.07.2018



### DESCRIPTION

**CONSTRUCT** is a two component thixotropic liquid polyester resin suitable for constructions and fabrications. It offers excellent adhesion properties, high strength and elasticity. It is easily applied, dries fast, does not shrink and it is easily sanded. Can be used on its own or with glass fiber mat.

### ADVANTAGES

- Excellent bonding strength to most building substrates
- Fast and easy application
- Reasonable open time
- Excellent resistance to ageing
- Excellent temperature resistance
- Interior and exterior use

### APPLICATIONS

- Construction and repair of polyester surfaces.
- Construction and repair of boats, tanks and moulds.
- Plastification of wooden boats, canopies and cars
- Waterproofing of tanks, terraces, flowerbeds
- Reinforcement of surfaces

### INSTRUCTIONS FOR USE

#### Surface preparation

**New surfaces:** the substrate should be dry and free of dust, chalk, grease and all foreign material, which would affect adhesion. Lightly roughen surface with sandpaper

**Previously treated surfaces:** It is important to remove any rust, peeling or unsound surfaces followed by sanding washing and rinsing. Dust and dirt must be removed by scrubbing with warm soapy water and rinsed with fresh water. Fill cavities with polyester putties **MULTI FILLER** or **PLASTIC METAL**.

#### Application

1. Apply one coat of **CONSTRUCT**, thoroughly mixed with 2% - 3% catalyst, using a brush or roller.
2. Let the coat firm and then apply the glass fibre.

3. Apply a second coat of **CONSTRUCT** applying pressure in order to avoid the closure of bubbles and achieve a solid body.
4. If a thicker layer is required repeat the procedure.

### WARNING

- Do not use more than 2 - 3% of catalyst especially at high temperatures as curing can be greatly accelerated.
- Mix just the required amount of catalyst each time in order to avoid hardening before application.
- Close lids well after use.

### CLEANING

Tools should be cleaned immediately with acetone or nitro solvent. Cured resin can only be removed by mechanical means.

### CONSUMPTION

3 – 6 m<sup>2</sup> / Lt depending on the surface and the application.

### TECHNICAL CHARACTERISTICS

**Form:** Thixotropic liquid

**Colour:** Light blue

**Odour:** Characteristic of polyester

**Viscosity:** 900 cPs

**Specific Gravity:** 1,11gr / ml @ 20°C

**Point of ignition:** Around 33°C

**Solubility:** Styrene or acetone

**Flammability:** Flammable

**Curing Speed:** 10 – 30 minutes depending on ambient temperature

**Mixing Ratio of Catalyst:** 2-3%

### STORAGE

Products should be stored in a dry and cool place at a temperature of 5°C -35°C, away from sources of ignition. Protect from humidity and direct sunlight.

### SHELF LIFE

15 months from the production date in the above mentioned storage conditions. The product should remain in the original unopened packaging bearing the manufacturer's batch number.

### PACKAGING

**Metal cans** 1kg, 5kg

| PACKAGING | CODE  | BARCODE       |
|-----------|-------|---------------|
| 1kg       | 07118 | 5204094071181 |
| 5kg       | 07119 | 5204094071198 |

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## HEALTH AND SAFETY INFORMATION



Acute Tox. 4: H312+H332 - Harmful in contact with skin or if inhaled Eye Irrit. 2: H319 - Causes serious eye irritation Flam. Liq. 3: H226 - Flammable liquid and vapour Repr. 2: H361 - Suspected of damaging fertility or the unborn child Skin Irrit. 2: H315 - Causes skin irritation STOT RE 1: H372 - Causes damage to organs through prolonged or repeated exposure P101: If medical advice is needed, have product container or label at hand P102: Keep out of reach of children P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking P264: Wash thoroughly after handling P280: Wear protective gloves/protective clothing/eye protection/face protection P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing P370+P378: In case of fire: Use ABC powder extinguisher to extinguish. P501: Dispose of contents and / or their container according to the separated collection system used in your municipality. Substances that contribute to the classification: Styrene Monomer (CAS: 100-42-5); Xylene (CAS: 1330-20-7)

The directives contained in this technical data sheet are the result of our long experience from real life applications and the research testing of our research and development laboratory and have been submitted in good faith. Because of the diversity of the materials and substrates and the great number of possible applications, which are beyond our control, we cannot accept any responsibility for the results obtained. In every case it is recommended to carry out preliminary experiments. We are liable only for our products for being free from faults and of consistent quality. Users are responsible for complying with local legislation and for obtaining any required approvals or authorizations. The present edition of this technical datasheet automatically cancels any previous ones concerning the same product.



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