



Data sheet

weberdry elasto2

Two-component, waterproofing elasto-cementitious membrane

- Can be left visible
- U.V. radiation resistant
- Suitable for contact with drinking water
- Fibre-based
- Excellent flexibility
- Can be tiled over
- Protects concrete from carbonation
- Suitable for counter-thrust operations



EN 1504-2:2005

Product for surface protection

EN 14891-2012

Liquid-applied waterproofing product with improved low-temperature crack-bridging capability (5°C)



Range of use

Waterproofing for balconies, terraces, shower cubicles, tubs and swimming pools, before laying ceramic coverings. Flexible coating for plaster, screed, micro-cracked concrete surfaces and prefabricated structures. Protection of concrete surfaces against smog, carbon dioxide, chlorides, sulphates, etc ...

Waterproof coating of retaining walls.

Waterproofing of water containment tanks (including drinking water, A.R.P.A. cert. in accordance with ministerial decree 174/2004), following superficial washing with clean water once matured.

Substrates

- Cementitious screeds
- Seasoned concrete
- Cement-based plasters
- Overlay on existing flooring

Not for use on

- Thicknesses of over 2 mm per coat
- Dusty, inconsistent, degraded surfaces, or those with efflorescence or traces of release agent oil
- Bituminous membranes or bituminous products in general
- Substrates other than those indicated
- Not to be applied in bright sunlight, on overheated surfaces or in strong winds
- Frozen or thawing substrates or those at risk of freezing in the following 24 hours

Consumption

1.6 kg/m² per mm thickness

Product features

Packaging:

component A: 25 and 12.5 kg sack
component B: 8.3 and 4.15 kg can

Appearance:

sack: grey powder - can: white latex

Shelf life:

Component A-B effective performance features: **12 months** in unopened packaging protected from damp

Product features

Yield per package:	20.8 m ² per mm of thickness
Consumption:	1.6 kg/m ² per mm thickness

Installation features*

Can be walked on after:	24-48 hours
Waiting time between 1st and 2nd coat:	4 - 6 hours
Temperature of application:	+5°C to +30°C
Life time of mixture:	90 min
Thickness:	<ul style="list-style-type: none"> • Minimum thickness per coat: 1 mm • Maximum thickness per coat: 2 mm
Covering time:	<ul style="list-style-type: none"> • For covering with ceramic: 4-5 days • For covering with backfill: 10 days

* These times are calculated at 23°C and a R.H. of 50%; they are extended by low temperatures associated with high R.H. values and reduced by heat.

The information included in this data sheet is based on the knowledge available on the date of publication. Saint-Gobain PPC Italia Spa will not accept responsibility for damage to persons or items deriving from improper use of this information, and reserves the right to amend data without notice



Technical data*

PROPERTIES	RESULTS	TEST METHOD
Adherence:	<ul style="list-style-type: none"> • Initial: $\geq 0.5 \text{ N/mm}^2$ • After contact with water: $\geq 0.5 \text{ N/mm}^2$ • After heat ageing: $\geq 0.5 \text{ N/mm}^2$ • After freeze-thaw cycles: $\geq 0.5 \text{ N/mm}^2$ • After contact with limewater: $\geq 0.5 \text{ N/mm}^2$ • After contact with chlorinated water: $\geq 0.5 \text{ N/mm}^2$ 	EN 14891
Crack bridging at 23°C:	$\geq 0.75 \text{ mm}$	EN 14891 – A.8.2
Crack bridging at -5°C:	$\geq 0.75 \text{ mm}$	EN 14891 – A.8.3
Static crack bridging at 23°C, method A:	A4 > 1250 μm	EN 1062-7
Dynamic crack bridging at 23°C, method B:	B3.1	EN 1062-7
Adhesion:	<ul style="list-style-type: none"> • Initial: $\geq 0.5 \text{ N/mm}^2$ • After contact with water: $\geq 0.5 \text{ N/mm}^2$ • After heat ageing: $\geq 0.5 \text{ N/mm}^2$ • After freeze-thaw cycles: $\geq 0.5 \text{ N/mm}^2$ • After contact with limewater: $\geq 0.5 \text{ N/mm}^2$ • After contact with chlorinated water: $\geq 0.5 \text{ N/mm}^2$ 	EN 14891
Impermeability to pressurised water:	no penetration	EN 14891 A.7
Permeability to CO ₂ :	SDCO ₂ > 50 m	EN 1062-6
Capillary absorption:	< 0.1 kg/m ² h _{0,5}	EN 1062-3
Abrasion resistance:	pass	EN 5470/1
Slip resistance:	dry/wet = 94/69	UNI EN 13036-4
pH of mixture:	Latex 8	
Granulometry:	powder 0.4 mm	
Steam resistance coefficient:	class I	EN ISO 7783-1
Dry residue:	Latex 105°C: 50%	
Behaviour following exposure to artificial atmospheric agents:	pass	UNI 1062-11
Shock resistance:	Class III, $\geq 20 \text{ Nm}$	UNI EN ISO 6272
Counter-thrust resistance:	1 bar	
Impermeability to pressurised water:	no penetration	EN 14891 A.7
Specify gravity:	of the latex 1.05 kg/l	
Hydraulic load pressure resistance:	2.5 bar	

* These values are derived from laboratory tests in a conditioned environment and could be significantly modified by the installation conditions.

Saint-Gobain Italia S.p.A.

Via Ettore Romagnoli 6, 20146 Milan • Italy • Tel. +39 02 61115.1 | Fax +39 02 61192900 www.it.weber | info@it.weber

Company Register: Milan No. 08312170155 • Economic and Administrative Business Register: Milan No. 1212939
Share Capital: 77,305,082.40 euros, fully paid • Tax Code and VAT number: 08312170155
Subject to direction and coordination of Saint-Gobain Produits Pour la Construction S.A.S.



The information included in this data sheet is based on the knowledge available on the date of publication. Saint-Gobain PPC Italia Spa will not accept responsibility for damage to persons or items deriving from improper use of this information, and reserves the right to amend data without notice

Application stage

tools

Low speed drill, metal trowel, serrated trowel.

Preparation of substrates

The substrate must be in good condition, consistent and dust-free, with no uneven or detached sections. The product may be applied on substrates that are not perfectly dry. Any roughness that may cause difficulties in application and excessive variations in thickness must be smoothed out. Any efflorescence, traces of release agents or rust must also be cleaned off the substrate. Demolish and restore deteriorated parts using products from the **webertec** range. If the surfaces to be covered are particularly absorbent, moisten with water in advance. After application, particularly in dry, hot or windy climates, it is advisable to protect the surface from rapid evaporation using damp sheets or shading. If left visible, any chromatic alterations that occur over the years are physiological and will not compromise the effectiveness of the waterproofing.

Application

- Pour the latex (comp. B) into a suitable clean container and add a sack of powder while stirring (comp. A). Observe the 3:1 mixing ratio (25 kg sack + 8.3 kg can / 12.5 kg sack + 4.15 kg can).
- Mix using a low speed drill (500 rpm) until a smooth mixture is obtained. Avoid getting air into the mixture.

- Apply using a trowel, with a maximum thickness of 2 mm per coat. In the case of cracks or on particularly deformable structures, introduce a fibreglass or synthetic mesh with squared mesh into the depth of the **weberdry elasto2** (e.g. 4x4 mm) with a weight of $\geq 145 \text{ gr/m}^2 \leq 160 \text{ gr/m}^2$.

- For expansion joints, wall-wall and wall-floor connections, shower cubicles, kitchens etc., apply **weberdry band** / **weberdry ELASTO band** or special components (corners and trimmings) on the product while still fresh. Treat singular points, such as horizontal and vertical outlets using **weberdry DRAIN**.

- Apply the second coat once the first one has hardened (approximately 4 hours).

- Safeguard the maturing of the product during drying, possibly by spraying the surface with atomised water.

- Recoating with ceramic tiles can be performed after at least 4 days, using **webercol UltraGres** or **webercol ProGres Top S1** adhesive, to be chosen according to the width of the surface to be waterproofed and the type of tile.

- Fill the joints using products of the **webercolor** line mixed with **weber L50**, according to the ratios shown in the reference technical data sheets.

- **weberdry elasto2** may be painted with **weberdry reflex-P** to extend the endurance and effectiveness of the waterproofing solution over time.

Warnings and recommendations

- **If the surfaces to be treated are highly absorbent, moisten with water beforehand.**
- **Protect from rain during the first 24/48 hours after application**
- **When working at high temperatures, keep packages out of the sun before use**
- **It is recommended that used tools are washed with water before the mortar sets**
- **Do not add water, aggregates or cement to the product**
- **Avoid mixing partial quantities from the packs**
- **Do not apply point loads that may compromise the sealing of the waterproof film**

Saint-Gobain Italia S.p.A.

Via Ettore Romagnoli 6, 20146 Milan • Italy • Tel. +39 02 61115.1 | Fax +39 02 61192900 www.it.weber | info@it.weber

Company Register: Milan No. 08312170155 • Economic and Administrative Business Register: Milan No. 1212939
Share Capital: 77,305,082.40 euros, fully paid • Tax Code and VAT number: 08312170155
Subject to direction and coordination of Saint-Gobain Produits Pour la Construction S.A.S.



Item specifications

Waterproofing of balconies, terraces (including paving), roofs, swimming pools, tanks, including for drinking water A.R.P.A. cert. in accordance with ministerial decree 174/2004) with prior surface washing using clean water after maturation, retaining walls, absorbent and non-absorbent substrates in general, provided they are stable and consistent, through the application of a two-component fibre-reinforced, highly flexible, elasto-cement membrane; **weberdry elasto2** by weber **weberdry elasto2** must be mixed in accordance with the proportions of 1 sack of powder to each can of resin. Once hardened, **weberdry elasto2** should have an adhesion to concrete of $\geq 1 \text{ N/mm}^2$ and can be covered directly with **Webercol UltraGres Top** adhesive (class C2TES1 adhesive according to European standard UNI-EN 12004) by Weber, and ceramic covering.

The product must have the following features:

Adhesion:	• Initial: $\geq 0.5 \text{ N/mm}^2$
	• After contact with water: $\geq 0.5 \text{ N/mm}^2$
	• After heat ageing: $\geq 0.5 \text{ N/mm}^2$
	• After freeze-thaw cycles: $\geq 0.5 \text{ N/mm}^2$
	• After contact with limewater: $\geq 0.5 \text{ N/mm}^2$
• After contact with chlorinated water: $\geq 0.5 \text{ N/mm}^2$	
Crack bridging at 23°C:	$\geq 0.75 \text{ mm}$
Crack bridging at -5°C:	$\geq 0.75 \text{ mm}$
Static crack bridging at 23°C	
method A:	A4 > 1250 μm
Dynamic crack bridging at 23°C method B:	B3.1
Impermeability to pressurised water:	no penetration
Permeability to CO₂:	SDCO ₂ > 50 m
Capillary absorption:	< 0.1 kg/m ² ·h ^{0.5}
Abrasion resistance:	pass

The information included in this data sheet is based on the knowledge available on the date of publication. Saint-Gobain PPC Italia Spa will not accept responsibility for damage to persons or items deriving from improper use of this information, and reserves the right to amend data without notice

Saint-Gobain Italia S.p.A.

Via Ettore Romagnoli 6, 20146 Milan • Italy • Tel. +39 02 61115.1 | Fax +39 02 61192900 www.it.weber | info@it.weber

Company Register: Milan No. 08312170155 • Economic and Administrative Business Register: Milan No. 1212939
Share Capital: 77,305,082.40 euros, fully paid • Tax Code and VAT number: 08312170155
Subject to direction and coordination of Saint-Gobain Produits Pour la Construction S.A.S.

