

# INTUSEAL Intumescent sealant in water dispersion



**INTUSEAL** is a water based fire resistant sealant, to be used internally. After application it turns to an elastoplastic, overpaintable product with excellent adhesion to many building materials. In case of fire it swells creating a smoke and fire tight seal.

**It is suitable for application regulated in the field of fire resistance up to EI 240.**

Tested according to the standard **UNI EN 1366-4** and rated in accordance with the procedures of the standard **UNI EN 13501-2** after tests carried out at CSI in Bollate.

Classification report N° **CSI1920 FR** available upon request.

## Typical uses

- Sealing of linear joints subject to fire regulations on masonry and concrete substrates.
- Joints between windows and firebreak doors and walls surrounding.
- For fire resistant sealing of partition walls.
- For assembling fire-resisting panels.
- For sealing service penetrations through walls and pipes, cables ventilation ducts.

## Properties

<b>Intumescent :</b>	it swells when exposed to high temperatures
<b>Consistency :</b>	non slumping soft paste
<b>Fire resistance :</b>	up to EI 240 in joints properly constructed and sized

## Availability

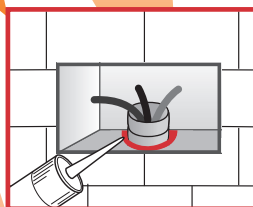
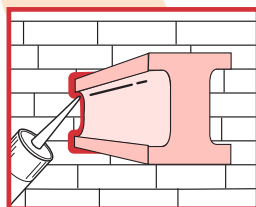
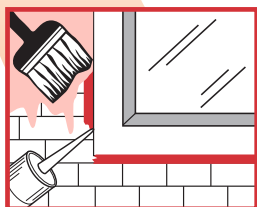
Code	Colour	Packaging	Pcs./Box
1005357	grey	310 ml. cartridge	24

600 ml. foil pack - 25 kg. drum - black colour available on request

## Technical data

<b>Solid content :</b>	83%
<b>Specific gravity :</b>	1,4 kg/dm <sup>3</sup>
<b>Skin formation :</b>	10 - 15 minutes (20°C 50% R.H.)
<b>Tack-free time :</b>	60 - 90 min. (20°C 50% R.H.)
<b>Service temperature :</b>	-25°C / +80°C
<b>Movement accomodation :</b>	7,5%
<b>Application temperature :</b>	+5°C / +40°C

I valori riportati in tabella non devono essere considerati come specifiche



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## Method of use

**Surface preparation:** the surface must be dry and clean, free from dust and grease. Onto porous substrates like concrete, plaster, a primer obtained diluting Intuseal with water (ratio 1:1 or 1:2) can be used.

**Joint dimension:** the joint width must be at least 10 mm and a maximum of 40 mm. In the joints of width less than 20 mm the depth should not exceed the width. Over 20 mm the width should be about twice the depth. The depth can be adjusted including a proper filling material.

**Application:** apply the sealant by a gun and practise a suitable pressure against the sides. Tooling can be done by a wet pool.

Joint width	Orientation of the joint	EI	E	Additional classes
40	horizontal	240	240	T - X - W 40
40	horizontal	240	240	T - X - W 40
30	horizontal	240	240	T - X - W 30
20	horizontal	240	240	T - X - W 20
10	horizontal	240	240	T - X - W 10
40	horizontal	240	240	T - X - W 40
40	horizontal	240	240	T - X - W 40
30	horizontal	240	240	T - X - W 30
20	horizontal	180	240	T - X - W 20
10	horizontal	240	240	T - X - W 10
40	vertical	240	240	V - X - W 40
40	vertical	240	240	V - X - W 40
30	vertical	240	240	V - X - W 30
20	vertical	240	240	V - X - W 20
10	vertical	180	180	V - X - W 10
10	vertical	240	240	V - X - W 10
20	vertical	240	240	V - X - W 20
30	vertical	180	180	V - X - W 30
40	vertical	240	240	V - X - W 40
40	vertical	240	240	V - X - W 40

## Criteria for the construction of the joint according to fire resistance requirements:

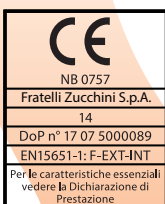
The test report N ° FR CSI 1920, available on request, defines the combinations of performance parameters that lead to the classification of joints (horizontal and vertical, single and double) on a concrete wall with a thickness of 200 mm.

- T vertical supporting construction / horizontal joint
- V horizontal supporting construction / vertical joint
- X movement is not applied
- W range of joint width (mm)

## Storage stability

12 months from the date of production in the original sealed container; in a dry place at a temperature range of +5°C/+25°C. Protect from frost.

## Standard compliance



**EN 15651-1: F-EXT-INT-7,5P**  
Sealant for façade for interior and exterior application



**Fratelli Zucchini S.p.A.**  
Via C. Colombo, 6 - 44124 Ferrara - Italy  
Tel. + 39 0532 782711 - Fax +39 0532 732121  
info@zucchini.it - www.zucchini.it

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