

# Z.Polys RP

SELF-LEVELLING THIOKOL™ BASED SEALANT

## Description

**Z POLYS RP** is a polysulphide based, two-part sealant, suitable for sealing floor joints. After the mixing of the two components, it rapidly turns from a viscous liquid into a rubbery and permanently elastic material, resistant to abrasion, to weather, to seawater, light, fuels and oils.

## Uses

- **SHIPBUILDING** : for sealing wooden deck seams
- **CONSTRUCTION** : for sealing expansion joints on concrete floors in civil and industrial buildings, parking areas, containment areas in fuel depots, areas for surface water collection

## Properties

<b>Composition</b>	: Part A: polysulphide polymer, inert fillers, plasticizers. : Part B: manganese dioxide, plasticizers
<b>Packaging</b>	: two separated tins, total weight 1 and 4,8 kg
<b>Components</b>	: two. Mixing ratio A:B = 100:12 by weight
<b>Specific gravity</b>	: part A: $1,79 \pm 0,03 \text{ kg/dm}^3$ : part B: $1,52 \pm 0,03 \text{ kg/dm}^3$
<b>Colour</b>	: black
<b>Consistency</b>	: thick self-levelling paste
<b>Pot life</b>	: 3-8 hours depending on the temperature
<b>Curing time</b>	: from 1 to 3 days

## Technical data

<b>Hardness</b>	: 35 Shore A approx.
<b>100% Modulus</b>	: 0.5 N/mm <sup>2</sup>
<b>Ultimate elongation</b>	: 300 %
<b>Maximum tensile strength</b>	: 0.8 N/mm <sup>2</sup>
<b>Service temperature range</b>	: -25°C to +80°C
<b>Movement accommodation</b>	: 15%

The values in this table must not be considered as specifications

#### METHOD OF USE

**Preparation of the joint and application of the sealant:** the surfaces must be clean and dry. To obtain good levels of adhesion onto wood, concrete and masonry the surfaces must be pre-treated with **Primer 2040** (two part). On steel, copper, anodized aluminium, uPVC and GRP pre-treat with **Primer RA 66** (two part).

The surfaces treated with Primer must get dry in the air for 30' approx.; the sealant must be applied within a maximum time of 4 hours.

**Joint dimensions:** the depth of joint must be 2/3 of the width and in any case not less than 8 mm. In deep joints in which a correct dimensioning of the section is necessary, and anyway in joints subject to movement, the insertion of an inert release material, **FILTENE**, is advised. The insertion must be done after the application of the Primer.

**Mixing:** at the moment of use mix the base and the hardener completely with the help of a whisk operated by a low-speed drill, avoiding the entrapping of air and the overheating of the paste.

**Laying:** **Z.POLYS RP** can be applied with an air gun (L/10) or by hand (L/4). Thanks to its self-levelling characteristics **Z.POLYS RP** does not need special finishing.

**Cure:** the polymerisation speed of the sealant depends on temperature and humidity. In general, at 20°C after 24 hours from the application, **Z.POLYS RP** can be walked on. After 7 days joints on wood can be sanded with abrasive.

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#### STORAGE STABILITY

9 months in the unopened containers stored in the temperature range +5° / +25°C.

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All recommendations relating to application and use of Fratelli Zucchini products have been given in good faith based on Fratelli Zucchini knowledge and experience, and for products appropriately stored, handled and applied in normal conditions, as indicated in their respective Technical Datasheet.

The variability of materials, substrates and conditions of use is such that no warranty of their functionality for a specific application can be deducted from this information, written recommendation or any other type of suggestion offered.

Each user has the responsibility to complete adequate evaluations on the efficacy of the materials offered by Fratelli Zucchini, of its products, services, recommendations and suggestions for the specific application need, and must accomplish sufficient testing to ascertain that the final product will be safe and sound for the final intent of the end-user.

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