

# Data sheet

## DRYset injectable waterstop for diaphragms

### DRYset injectable waterstop tape for diaphragm cold joints

#### DESCRIPTION

The injectable waterstop element is half immersed in the jet of the diaphragm sector. Then, the other half is incorporated by the casting of the next sector, waterproofing the joint.

In the event of any infiltrations, the joint is injected with waterproofing resin through the appropriate tubes of the waterstop element.

#### PLACEMENT

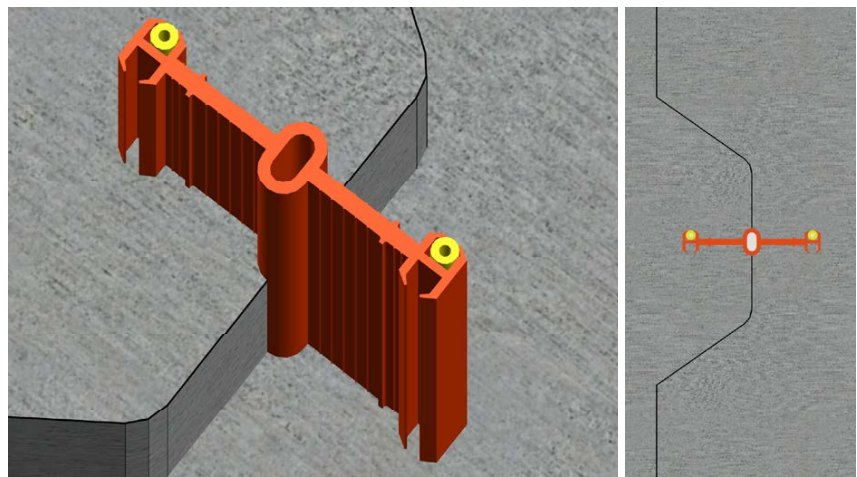
Waterstop D dimensions for expansion as a function of water pressure (White Tank Guidelines)

*Material:* Plasticized PVC by extrusion, calcium zinc stabilization.

*Color:* Black

#### FEATURES

Property	Analysis method	Unit of measure	Typical value
Specific gravity	ISO 1183	g/cc	1,53
Hardness Sh A 15"	ISO 868	-	79
Tensile strength	ISO 527	N/mm <sup>2</sup>	23
Elongation at break	ISO 527	%	150
Cold flex	ISO 458/2	°C	-18



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#### TEST

- |  |                              |
|--|------------------------------|
| > Elongation at break according to DIN EN ISO 527-2:   | minimum $\geq 200\%$         |
| > Tensile breaking strength according to EN ISO 527-2: | minimum 10 N/mm <sup>2</sup> |
| > Hardness shore A secondo norme EN ISO 868:           | 88 $\pm$ 3°                  |
| > Equipped with injection duct CEM 11                  |                              |

N.B.

Tolerance according to DIN 16941

Measurements expressed in mm

#### PERMEABLE CANNULAS

Permeable cannulas are applied to the Waterstop Tape for diaphragms for the diffusion of the waterproofing resin DRYflex into the joint.

**Material:** Plasticized PVC by extrusion, calcium zinc stabilization.

**Colore:** Orange

Property	Analysis method	Unit of measure	Typical value
specific gravity	ISO 1183	g/cc	1,27
Hardness Shore A	ISO 868	-	67
Tensile strength	ISO 527	N/mm <sup>2</sup>	16
Elongation at break	ISO 527	%	340
Cold flex	ISO 458/2	°C	-35



# Data sheet

## Diaphragm waterstop tape injection box

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#### DESCRIPTION

The injection box connects nozzles to the DRYset Injectable Waterstop Tape. It therefore makes the waterstop tape easily accessible to the waterproofing injection in the face of any leaks, even after years. Access is guaranteed by unscrewing a simple cover: without holes or demolition. The injection box is available with 2 or 4 connections.

#### FEATURES

<i>Technical data</i>	<i>Box</i>	<i>Typical value</i>
<i>Dimensions</i>	Length	150 mm
	Height	70 mm
	Depth	50 mm
<i>Color</i>	Orange	
<i>Appearance</i>	Solid	
<i>Material</i>	PP copolymer	
<i>Storage / Duration</i>	Unlimited	
<i>Toxicity class</i>	Not classified	
<i>Transport class SDR / ADR</i>	Free	



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#### TATREN IM 55 80

The base material (TATREM IM 55 80) can be used in the food sector.  
The material complies with the Food Contact Regulations.

<i>Physical properties</i>	<i>Test methods</i>	<i>Values</i>	<i>Unit</i>
Density	ISO 1183-1	960	kg/m <sup>3</sup>
Temperatures of embrittlement	ASTM D 746	< -60	°C
Softening temperatures	ISO 306/A	128	°C
<i>Mechanical properties</i>			
Tensile strength of yield	ISO 527 -1,2	26	MPa
Yield stress	ISO 527 -1,2	5	%
Tensile modulus of elasticity	ISO 527-1,2	1650	MPa
Flexural modulus	ISO 178	1400	MPa
Izod impact resistance (with notch, 23 ° C)	ISO 180/A	7	kJ/m <sup>2</sup>
Izod impact resistance (with notch, -20 ° C)	ISO 180/A	4	kJ/m <sup>2</sup>
HDT (0.45 MPa)	ISO 75-1,2	108	°C
Hardness Rockwell	ISO 2039/2	88	R scale

#### STORAGE AND HANDLING

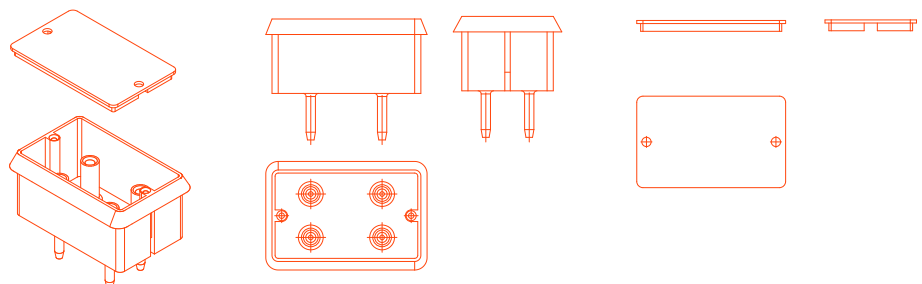
Transport possible both by road and by rail.  
Since polypropylene is a flammable substance, the applicable fire safety regulations for combustible materials in halls and warehouses must be observed.  
During storage, do not expose the product to UV radiation and temperatures above 40 ° C.

#### RECYCLE

Polypropylene resins are suitable for recycling according to modern recycling systems.

#### COLOR

Product name: 20305 ORANGE N 20305



# Safety data sheet

## Diaphragm waterstop tape injection box

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1. <b>COMPOSITION/ INFORMATION ABOUT COMPONENTS</b>	Chemical characterization: color index	PIGMENT WHITE 6 PIGMENT YELLOW 34 PIGMENT ORANGE 104
	Support:	POLYOLEFIN
2. <b>PHYSICAL AND CHEMICAL PROPERTIES</b>	State of aggregation:	solid
	Commercial form:	Granule (dispersion of thermoplastic polymers)
	Color:	Orange
	Odor:	Nobody
	Solubility in water:	Insoluble in water at 20 ° c
	pH:	Not applicable
	specific gravity:	/
	apparent specific gravity:	/
	Viscosity:	Not applicable
	Boiling temperatures:	Not applicable
	Melting temperatures:	90 ° C
	Temperatures max. color retention:	260 ° C
	Flash point:	Not applicable
3. <b>INFORMATION ABOUT TOXICOLOGY</b>	Acute oral toxicity (LD50):	>2.000 mg/kg
	Skin irritation:	none (Rat)
	Eye irritation:	none (Rabbit)
4. <b>INDICAZIONI SULL'ECOLOGIA</b>	Mobility:	Due to its physical form, the product can be mechanically separated in wastewater treatment plants.
	Degradability	Not biodegradable.

