



# WATERPROOFING

Sika Waterbars®

**SIKA EGYPT**  
1st Industrial zone (A)  
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# PVC

**PVC it is the abbreviation of Poly Vinyl Chloride** This raw material has many excellent properties for waterstops it also allows cost effective solutions. It has been in use with an outstanding track record for more than 70 years. It is widely Tested and Approved . Sika Waterbar PVC is produced from special formula and profiles – Sika know how- to insure mechanical and technical characteristics. Sika PVC formula are resistant against naturally occurring acidic and alkaline ground water, resistant to ageing and suitable for homogeneous welding.



## Production in Egypt

**1990 Sika start produce PVC waterbar in Egypt** for local and export markets. Since that thousands of linear meters are produced and delivered to construction sites in Egypt, Libya, Sudan, Kenya, Syria, Jordan, KSA, UAE and Asia Pacific. These two production lines – extruders- is equipped with more than twenty molds for different profiles, packing system, modern QC Lab and workshop for producing special pieces. For easy differentiation between waterbar types Sika produce it in two colors, grey for construction joints and yellow for expansion joints.



## Welding Tools



Welding knife

Wooden Frame

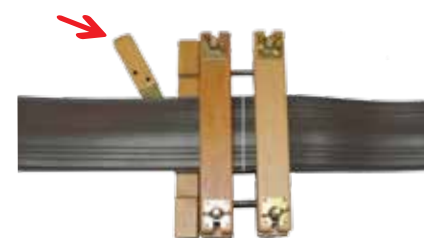
## How to Weld



- Fixing two parts in wooden frame



- Melt both sides with welding knife



- Press two sides to weld Waterbar



- Waterbar



# Specification

Density	1,45 ± 0.15 kg/l	
Chemical Base	Polyvinyl Chloride	
Service Temperature	- 35°C to + 55°C	
Tensile Strength	≥ 10 N/mm <sup>2</sup> ≥ 12.17 N/mm <sup>2</sup> ≥ 11 N/mm <sup>2</sup>	DIN 53455 CRD-C 573, ASTM D412 BS 2782 M320A
Tear Strength	≥ 12 N/mm <sup>2</sup>	DIN 53507 A
Shore A Hardness	90 ± 5	DIN 53505
Elongation at Break	> 300 % > 300 % > 300 %	DIN 53455 CRD-C 573, ASTM D412 BS 2782 M320A
Chemical Resistance Permanent	Permanent: Water, seawater, sewage, road salt solutions. Temporarily: Diluted inorganic alkalis, mineral acids and mineral oils.	
Alkali Resistance	Passed.	CRD-C 572-65

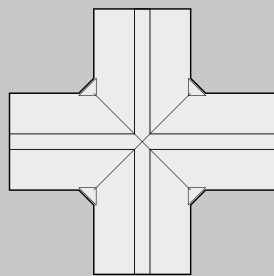


Yellow : for Expansion Joints

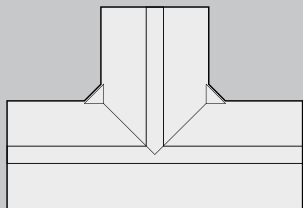


Gry : for Construction Joints

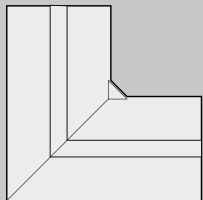
# Pieces



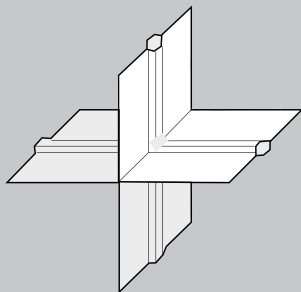
Flat cross



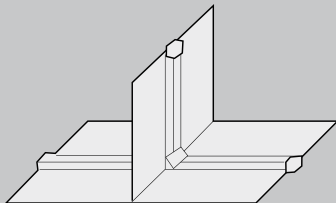
Flat T



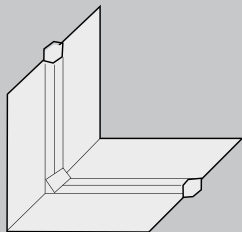
Flat L



Vertical cross



Vertical T



Vertical L

# Where to use

## Basement



Sika Waterstops are the easy and economic of expansion and construction joint sealing

## Infrastructure



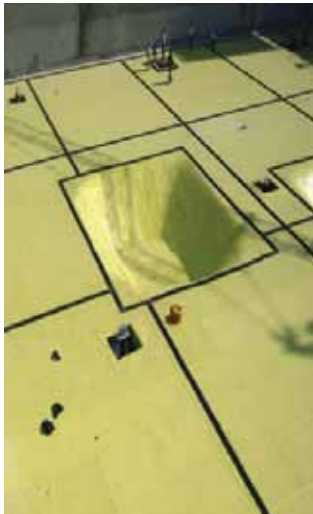
For major civil engineering structure and their intersections with high exposure and performance demands , Sika Waterstops are the ideal method of ensuring watertight joint sealing and waterproffing

## Water Tanks

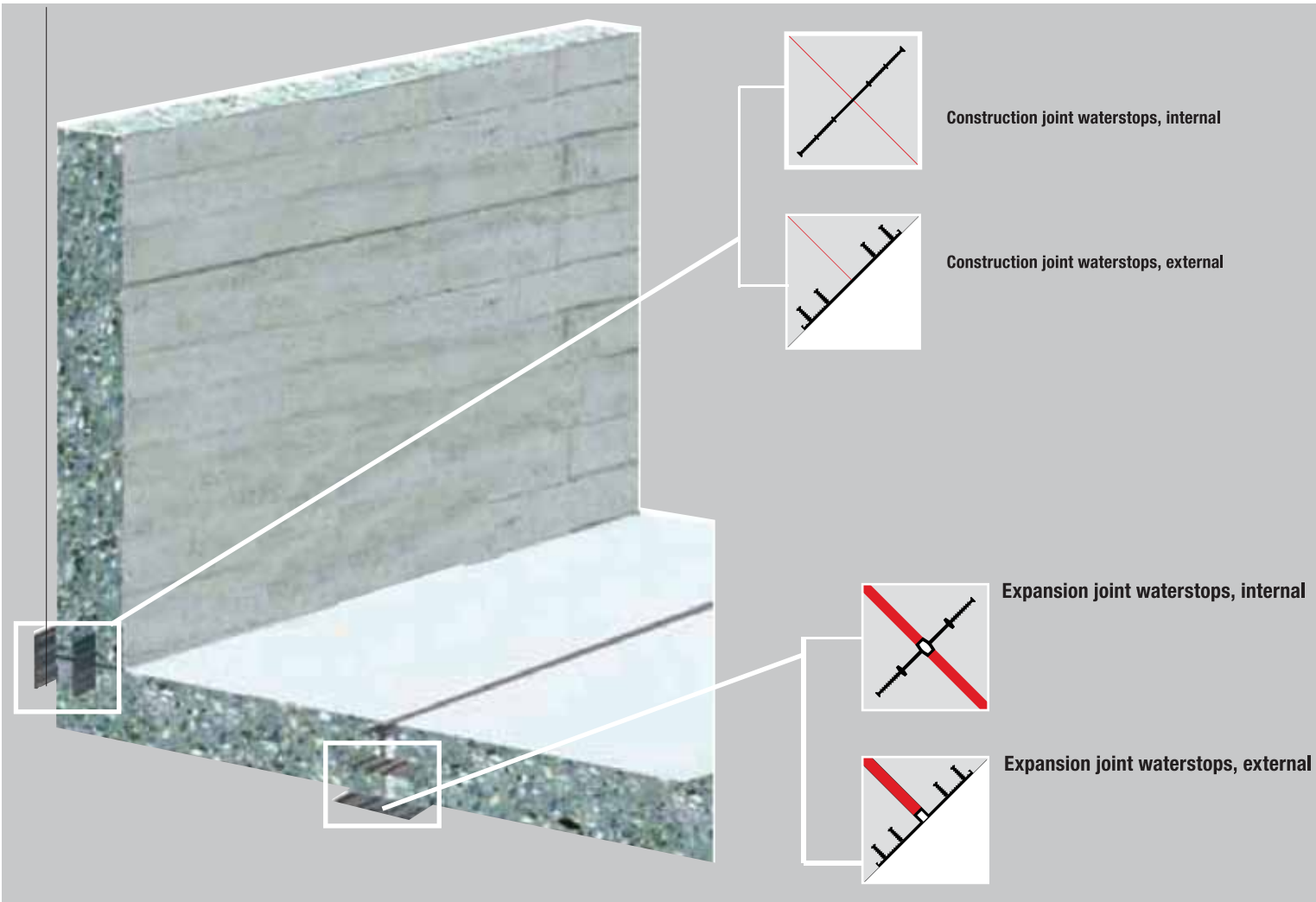


Special Sika Waterstops have been devel oped and approved for swimming pool and service reservoir joint sealing in contact with potable water. These have proven durability and guarantee the consumer top quality drinking water.

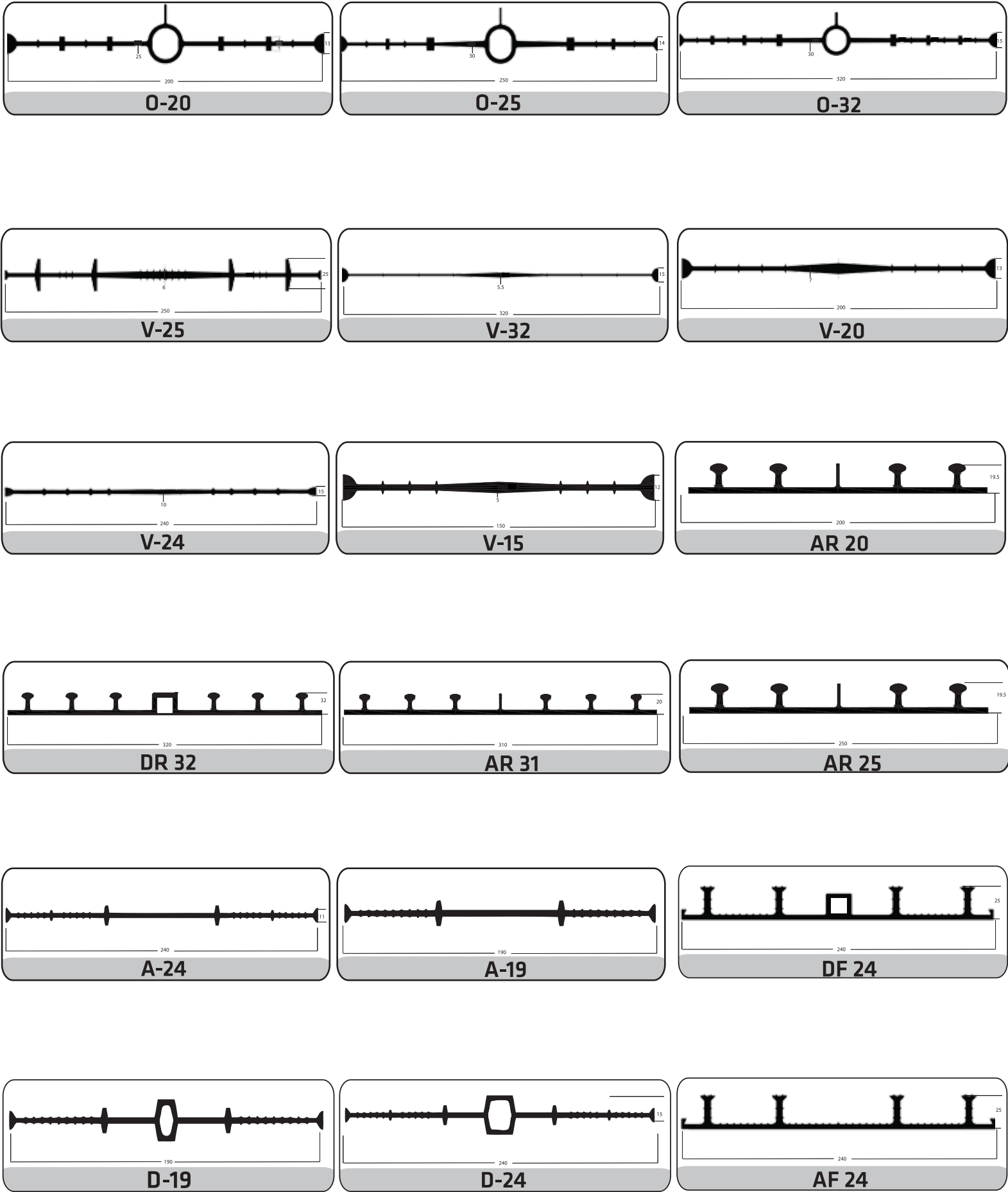
## Waterproofing



Sika waterstops WP AF-282 and WP DF-28 are essential part in waterproofing when using PVC membrane compartmental system

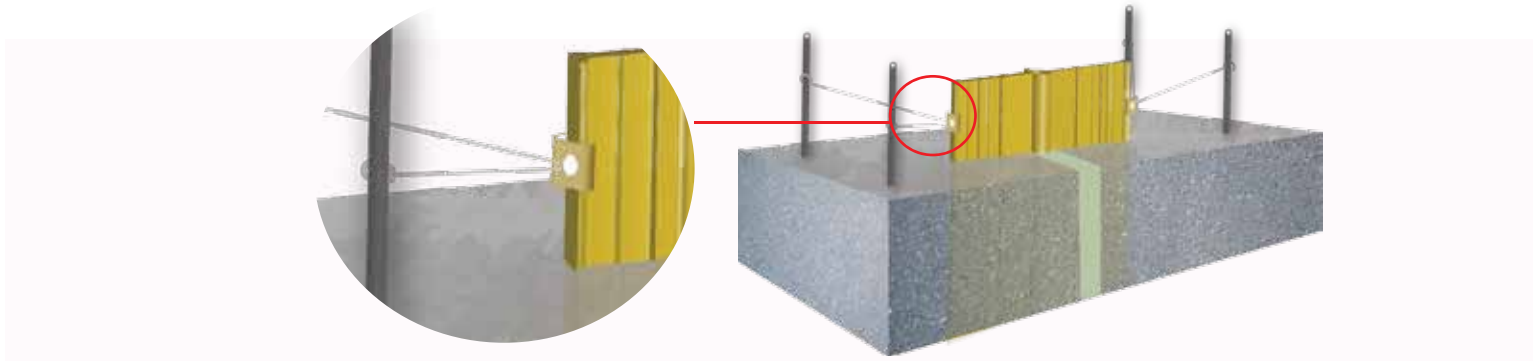


# Product Range



Dimension in MM

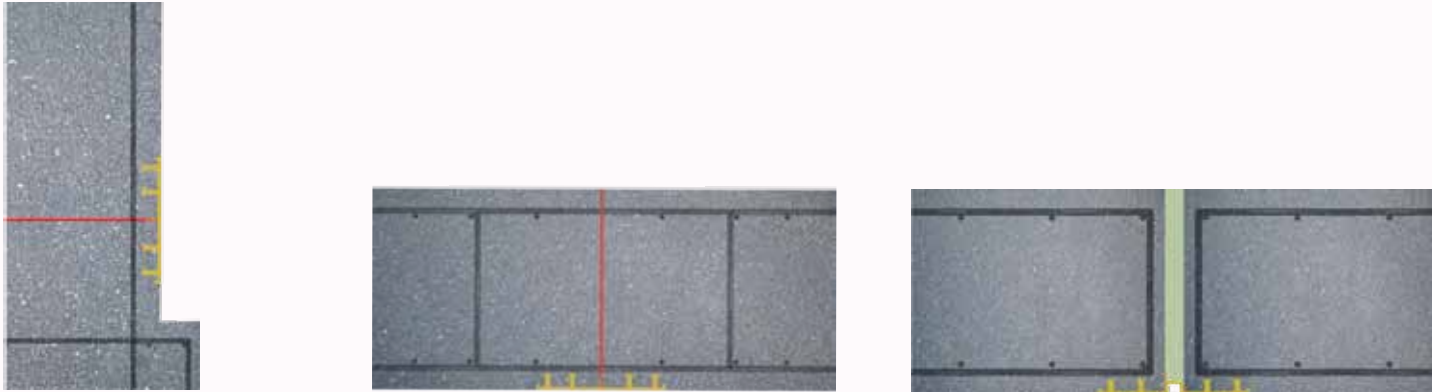
# Where To fix



Internal



External



Internal & External

