




JOINT SEALING FOR HORIZONTAL & VERTICAL JOINTS **SIP series**

- Seals, covers and decorates expansion joints up to 100mm wide
- Easy & quick installation
- Installation cost is the 1/20th of the cost of using ordinary sealing mastics
- Insert can be removed and reinstalled without affecting performance
-  For areas with pedestrian traffic (maximum joint opening 50mm).
-  For accessible horizontal joints over 50mm additional metallic joint cover is required.
-  Thermal movement



Materials:

- Special composition PVC with UV resistance or TPE Santoprene elastomeric seals in standard black, grey & beige (other RAL colors upon request).

PVC properties:

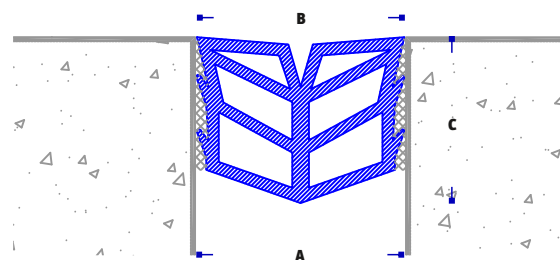
MECHANICAL PROPERTIES	Method	Typical Values
Hardness	ISO18451-2:2017	39-67 Shore A
Tensile Strength at break	ISO 527-2:2012	12,20N/mm ²
Elongation at break	ISO 527-1:2012	358%
Tear strength	ISO 34-1:2015	12,84N/mm ²

TPE properties:

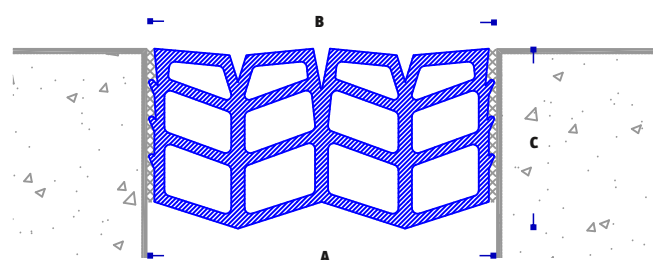
MECHANICAL PROPERTIES	Method	Typical Values
Hardness	ASTM D2240	67 Shore A
Density (23°C)	ASTM D792	0,96g/cm ³
Tensile Strength	ASTM D412-C	6,2MPa
Elongation at break	ASTM D412-C	530%
Modulus 100%	ASTM D412-C	2,3Mpa
Tear strength	ASTM D624-C	28N/mm
Compression set (22h 70°C)	ASTM D392-B	36%

- Separate fire-barrier products available.

SIP - joint opening up to 50mm



SIP - joint opening 60 up to 100mm



TYPE	JOINT WIDTH 'A'	EXPOSED SURFACE 'B'	INSERT HEIGHT 'C'	TOTAL MOVEMENT*
SIP 20/20	10-15	20	20	20
SIP 30/30	15-20	30	30	30
SIP 40/35	25-30	40	35	40
SIP 50/40	30-40	50	40	50
SIP 65/50	40-50	65	50	65
SIP 100/48	50-80	100	48	100
SIP 125/60	80-100	130	60	120

Dimensions in mm

*Movements do not take into consideration PVC or Santoprene elongation at break (ISO R 527)

Packaging:

- PVC or Santoprene insert in standard 20m long rolls.
- Custom lengths available upon request.

Installation guidelines:

- Separate installation instructions are available for each product series.
- Installation instructions must be carefully reviewed prior to starting work.
- Additional, tailor-made instructions can be provided upon request.
- Rigid fixing substrate is of prime necessity for all applications.
- Where separate water-barrier or fire-barrier products are required, install these first following respective installation instructions.

Health and Safety:

- These products are for industrial use only by trained operatives.
- They are pre-manufactured solid items that do not contain or release any chemicals under normal conditions of use.

Product guarantee:

ACP HELLAS supplies products that comply with the properties included in the current catalogues & datasheets.

In the unlikely event that products supplied are proved not to comply with these properties, then we will replace the non-compliant product or refund the purchase price. ACP HELLAS does not guarantee the installation of the products as it does not have control over the installation or end use of the products.

Any suspected defects must be reported to ACP-HELLAS in writing within twenty (20) working days of being detected. ACP-HELLAS makes no warranty as to merchantability or fitness for a particular purpose and this warranty is in lieu of all other warranties express or implied.

ACP-HELLAS shall not be liable for damages of any sort including remote or consequential damages, down time, or delay.

Storage & handling:

- Parts should not be exposed to direct sunlight or weather conditions. Recommended storage temperature: 10°C - 28°C.
 - Place parts off the ground and keep them protected from construction activities.
 - Handle parts with proper care so as not to injure the finished (exposed) surfaces.
 - Ensure that after installation the expansion joint covers are protected from damage due to other construction activities in nearby areas.
 - Refer to our separate sheet 'Care & Maintenance Instructions' for cleaning guidelines.
- > For storage and handling instructions of any other related materials (mastic sealants, chemical anchors etc) refer to related manufacturer datasheet.

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