



Systems for waterproofing
Dehumidification
And impregnation



Certified Quality System since **FEBRUARY 1993**

From Project to Jobsite

Profiles in PVC – WSP/WSPE

WATERPROOFING PROFILES FOR CONNECTING CONCRETE CASTINGS

Description The WSP/WSPE profiles are pre-formed PVC plates with flaps and pedicles to anchor into concrete, and are used in all construction joints not subject to significant movements, to ensure the tightness against water infiltrations or percolation

Advantages and characteristics The casting connection between fresh and hardened concrete is always a structural discontinuity through which leakage may occur or water infiltration. The use of WSP / WSPE profiles ensures constant water tightness in continuous presence of water or not, even at medium pressures. It is possible the welding of different elements to each other, directly on the jobsite, by heat welding.

Fields of use The profiles WSP/WSPE are used to form an hydraulic seal, even under pressure, of the construction joints in underground reinforced concrete, subject to hydrostatic pressure, such as
Foundations in general
Basements
Tunnels
Tanks
Dams
Reservoirs
Pools
Retaining walls
Big infrastructural works

Method of use The profile WSB is positioned centrally in the joint, suitably anchoring the wings to the reinforcement with metal wire or suitable clips so as to ensure stability when casting, avoiding folds. One half is embedded in the 1st stage of concreting. The remainder is incorporated in the subsequent closing or completion casting; jets must have a width equal to the width of the central bulb. For structural joints of slabs and perimeter walls where the profile is located at the outer edge, use the series WSBE, with a face incorporated in the reinforced concrete and the other on the bottom of the formwork.

Remarks It is recommended to vibrate with particular care in the concrete part immediately adjacent to the profiled element in order to obtain optimal compaction of the concrete, being careful not to move the profile with the vibrator from its position. It is possibly necessary depending on the geometry of the work to perform joints between the profiled elements (example: T, L, etc.).
The welding, head to head must be prepared by clean and precise cutting of the edges that will join together.
The welding must take place through the use of a hot knife (electrical) that welds the flaps creating the fusion and the coupling.



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Packaging Rolls of 50 linear meters.

Technical characteristics (typical values)

SERIE WSP			
CODICE	A(mm)	B(mm)	IMBALLO (m)
WSP 150	150 mm	2,5 mm	RT. 50 m
WSP 180	180 mm	2,5 mm	RT. 50 m
WSP 200	200 mm	2,5 mm	RT. 50 m
WSP 215	215 mm	3,0 mm	RT. 50 m
WSP 250	250 mm	3,5 mm	RT. 25 m
WSP 300	300 mm	3,5 mm	RT. 25 m

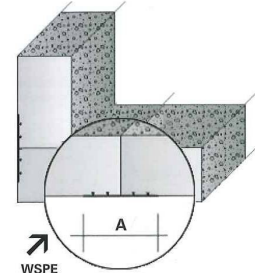
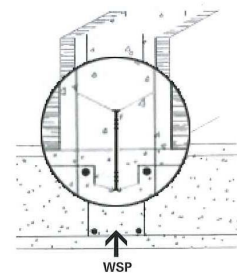


USO INTERNO

SERIE WSPE			
CODICE	A(mm)	B(mm)	IMBALLO (m)
WSPE 200	200 mm	16 mm	RT. 20 m
WSPE 250	250 mm	16 mm	RT. 15 m



USO ESTERNO



Physical-mechanical data	Measuring unit	Values	Method
Hardness	Shore A 15''	70/75 ± 2	ISO 868
Density	g/cm ³	1,4 ± 0,03	ISO1183
Load at break	N/mm ²	>12	ISO527
Elongation at break	%	>340	ISO527
Stiffening temperature	°C	32 ± 4	ISO458/2
Thermal stability at 200 °c	Min.	80 ± 5	ISO 182/A
Flammability	Class	V0	UL94

Safety indications Read carefully the instructions on the packaging or eventually ask for the material safety datasheet of the product.

The above data are based on our actual and most experienced practical and laboratory knowledge and the results are collected from application of the product in different situations. Tecnochem Italiana does not assume any responsibility regarding inadequate or negative performance as a result of improper use of the product or for defects deriving from factors or elements other than the quality of the product including improper storage. The technical characteristics and performance mentioned in this datasheet are updated periodically. The revision dates and number of revision of the datasheets are listed in the table below. Eventual variations are traceable on our website www.tecnochem.it where the most updated datasheets can be retrieved.

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