PARTEC

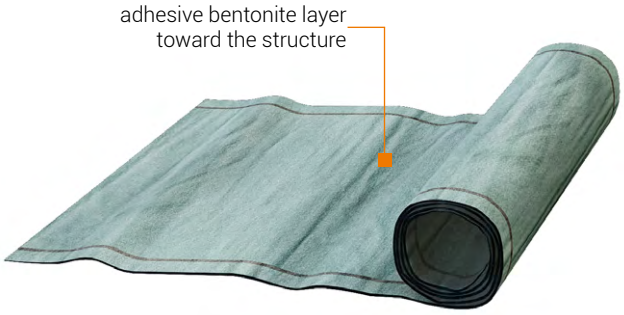
SWELLTITE

HYDRO - INSULATIONS

BENTONITE - MATS

SIGN CE

SWELLTITE - composite hydro-insulating membrane consists of a bentonite layer composited between layer of geomembrane and transparent layer of self-soluble foil.

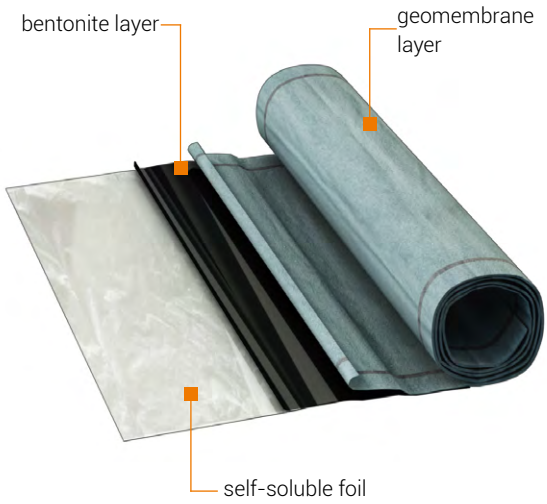


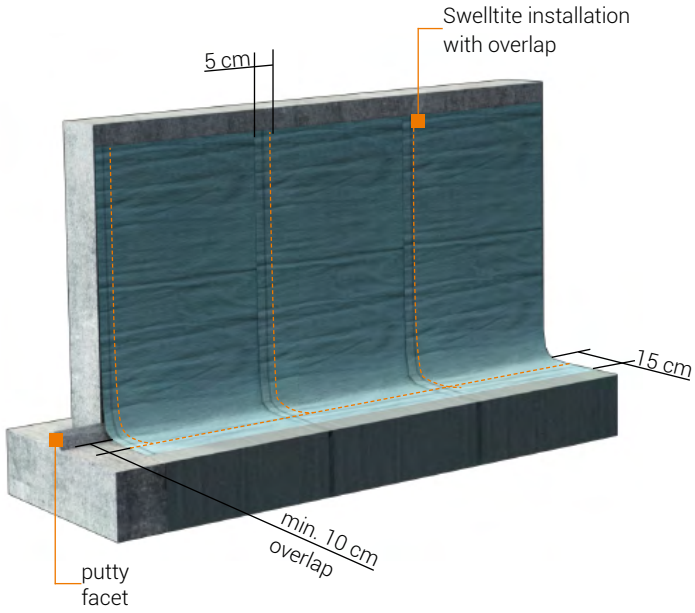
Application:

- insulation of underground structure elements
- hydro-insulations of foundations of masonry walls
- insulation of tunnels performed in an open trench

Installation:

Membrane glue on Masprim SKW. Membrane installation from bentonite side toward the structure.





SWELLTITE ELEMENTS

Swelltite lays the exposed layer of bentonite towards the insulated structure

RESTRICTIONS ON SWELLTITE:

- do not install in still water or during rain
- cannot constitute hydro-insulation of structure above the ground, which will be affected by direct action of atmospheric factors
- does not constitute a seal of expansion joint
- do not install on horizontal flat roofs on which concrete plates will be installed on spacers

INSULATION OF CONCRETE FOUNDATION WALL

ARTICLE NUMBER	TYPE	TYPE OF MATERIAL	DIMENSIONS	QUANTITY [packs]
216-01	Swelltite	bentonite	1.0 m x 10.0 m	1 roll
216-02	Masprim SKW	asphalt - rubber mass	20 kg	1 bucket

CHARACTERISTICS	
Weight	~ 3080 g/m^2
Thickness	2 mm
Tensile strength in both directions	> 9 kN/m
Relative elongation at max. load in both directions	160 ± 10 %
Resistance to static penetration (CBR method)	> 1.6 kN
Displacement during penetration	78 ± 10 %
Resistance to dynamic penetration, hole diameter	< 9 mm
Edometric swelling ratio	> 150 %
Swelling time	10 ÷ 25 days
Swelling pressure	> 200 kPa

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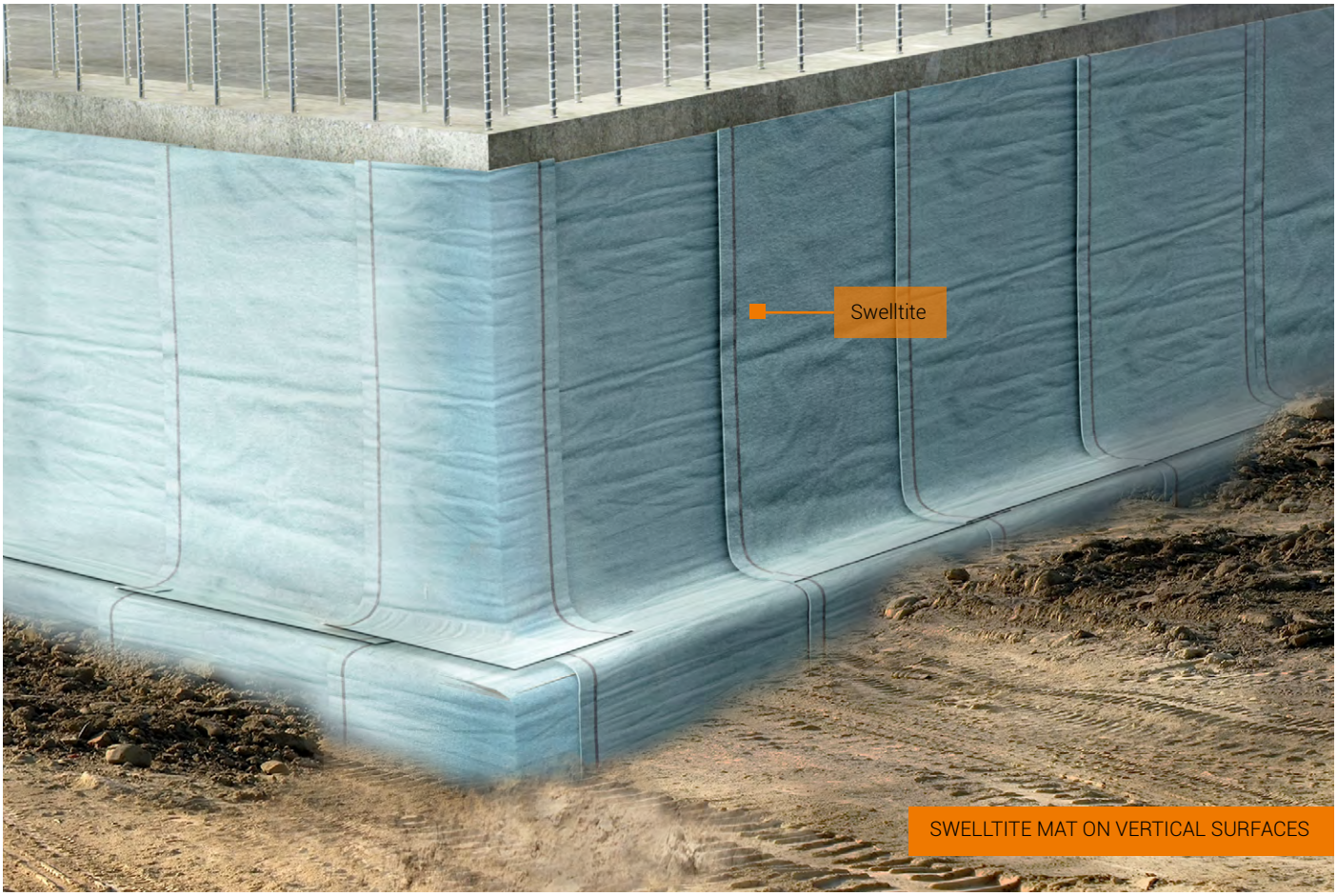

SWELLTITE MAT ON VERTICAL SURFACES

SWELLTITE MAT ON HORIZONTAL SURFACES