



MATEREAL - BUILDING MATERIALS

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REAL XPS

Extruded
polystyrene panels

APPLICATION

Extruded polystyrene is a type of insulation used in particularly applications demanding in which other types have insufficient techniques characteristics.

- REAL Xps products have physical peculiarity, surface finishing and variable edge structures to best fit each specific use. They are distinguished by excellent water vapour permeability, waterproof, adherence to plaster and cement as well as high mechanical strength, both compression and traction;
- REAL Xps is one of the few extruded polystyrenes with European technical certification for cladding systems (ETICS).

SUSTAINABLE PRODUCT

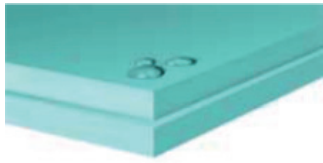
- GWP <5 (Global Warming Potential) No impact on the environment and on the greenhouse effect,
- ODP = 0 (Ozone Depletion Potential),
- HFC free - no hydro fluorocarbons,
- HBCDD free - the flame retardant used in insulating panels is exempt of hexabromocyclododecane.

APPROVED USE FOR SPECIAL CASES

- Reversed green roof Z-23. 31-1805;
- Ground insulation below groundwater level Z-23, 33-1806;
- Insulations exposed to constant stresses, even under the floor Z-23. 34 -1807 facades covered with a thin colored plaster (ETICS);
- Wainscoting;
- Facades and Wainscoting covered in stone;
- Insulating coatings in structural parts;;
- Insulation from inside or in cavity on exposed concrete;
- Insulation of thermal bridges (balconies, parapet of the windows, edges of slabs, earthquake-proof connections, etc.);
- Insulation of internal walls adjacent to unheated rooms.

REALXPS

MTR-300-L



XPS-EN13164-T1-CS(10\Y)300- CC(2/1,5/50)100-DS(70,90)-DLT(2)5-WL(T)0,7-WD(V)1÷3-FTCD1-MU100v

Panel thickness [mm]	Panels per box [No.]	Quantity per box [m ²]	Boxes per pallet [No.]	Quantity per pallet [m ²]	Copressive strength declared* [kPa]
30	14	10,50	12	126	300
40	10	7,50	12	90	300
50	8	6,00	12	72	300
60	7	5,25	12	63	300
80	5	3,75	12	45	300
100	4	3,00	12	36	300
120	3	2,25	14	31,5	300
140	3	2,25	12	27	300
160	2	1,50	16	24	300
180	2	1,50	14	21	300
200	2	1,50	12	18	300

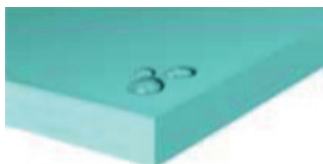
- "L" shutter edge

- smooth surface with leather

- panel dimensions 1250 x 600 [mm]

REALXPS

MTR-300-I



XPS-EN13164-T1-CS(10\Y)300- CC(2/1,5/50)100-DS(70,90)-DLT(2)5-WL(T)0,7-WD(V)1÷3-FTCD1-MU100v

Panel thickness [mm]	Panels per box [No.]	Quantity per box [m ²]	Boxes per pallet [No.]	Quantity per pallet [m ²]	Copressive strength declared* [kPa]
20	20	15,00	12	180	300
30	14	10,50	12	126	300
40	10	7,50	12	90	300
50	8	6,00	12	72	300
60	7	5,25	12	63	300
80	5	3,75	12	45	300
100	4	3,00	14	36	300

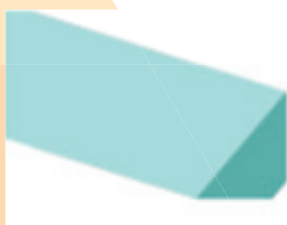
- "I" straight edge

- smooth surface with leather

- panel dimensions 1250 x 600 [mm]

REALXPS

MTR-KOTNIK



DESCRIPTION	LENGHT X WIDTH [mm]	Lenght [m]	Quantity per box [m ¹]
Corner insulation element to round the foot relief in order to reduce stress on the waterproofing membranes.	80/80	1,25	5

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MTR-500-L



XPS-EN13164-T1-CS(10\Y)500-CC(2/1,5/50)150-DS(70/90)-DLT(2)5-WL(T)0,7-WD(V)1÷3-FTCD1-MU150

Panel thickness [mm]	Panels per box [n.]	Quantity per box [m ²]	Boxes per pallet [n.]	Quantity per pallet [m ²]	Compressive strength declared* [kPa]
50	8	6,00	12	72	500
60	7	5,25	12	63	500
80	5	3,75	12	45	500
100	4	3,00	12	36	500
120	3	2,25	14	31,5	500
140	3	2,25	12	27	500
160	2	1,50	16	24	500
-	180	2	14	21	500
-	200	2	12	18	500

• "L" shutter edge

• smooth surface with leather

• panel dimensions
1250 x 600 [mm]

REALXPS

MTR-INCLINE



Inclining insulating panels

XPS-EN13164-T3-CS(10\Y)300*-DS(70/90)-DLT(2)5-WL(T)1,5-MU50

Inclining insulating panel REAL Xps INCLINE can be used for the construction of slopes on flat covers. Advantages:

- Excellent insulation;
- Reduced weight compared to light concrete solutions with consequent reduction in seismic actions;
- Precise slope and perfectly in line with the project;
- Totally dry processing with consequent reduction in laying times;
- Reduced thickness (minimum thickness: 1 cm).

Slopes available: 1, 67% in 2.00%

Other slopes and compressive strength * higher available on request.

• shutter edge "L"

• cut surface

• panel dimensions
1200 x 600 [mm]

REAL FILTER

MTR-SF-32

Feltro drenante



DESCRIPTION	WEIGHT [g/m2]	Lenght x width [m]	Quantity per roll [m2]
Geotextile non-woven thermo-welded in Polypropylene fibers	110	50 x 3	150

REAL SKIN

MTR-SEAL

Membrane for water outflow, used to increase the thermal efficiency of the flat inverted roof



DESCRIPTION	WEIGHT [g/m2]	Lenght x width [m]	Quantity per roll [m2]	Equivalent air thickness
Membrane permeable to steam and waterproof to water	60	50 x 1,5 50 x 3	75 150	0,01

REAL TAPE

MTR-2SEAL

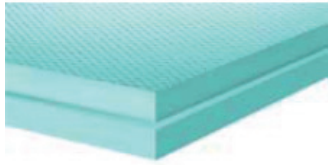
Adhesive tape on both sides to ensure durable bonding of the membrane

DESCRIPTION	Lenght x width [m]
Adhesive reinforced tape on two sides	25 x 0,025

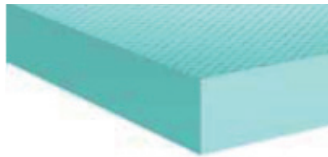
REALXPS

MTR-ETICS-GF

XPS-EN13164-T3-CS(10\Y)*-TR400-DS(70/90)-DLT(2)5-WL(T)1,5-MU50



MTR-ETICS-GF-1



	ETICS GF-I EAN CODE 52053811	Panel thickness [mm]	Panels per box [No.]	Quantity per box [m2]	Boxes per pallet [n.]	Quantity per pallet [m2]	Copressive strength declared* [kPa]
-	05367	20	20	15,00	12	180	200
	05381	30	14	10,50	12	126	250
	05398	40	10	7,50	12	90	250
	05404	50	8	6,00	12	72	300
	05411	60	7	5,25	12	63	300
	05435	80	5	3,75	12	45	300
	05442	100	4	3,00	12	36	300
	21589	120	3	2,25	14	31,5	300
	10408	140	3	2,25	12	27	300
	08962	150	3	2,25	12	27	300
	11559	160	2	1,50	16	24	300
	11580	180	2	1,50	14	21	300
	61875	200	2	1,50	12	18	300

- ETICS GF- shutter edge "L"
- ETICS GF-I- straight edge "I"

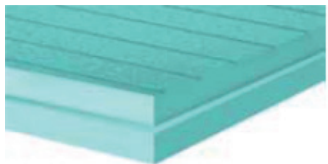
- rough embossed
"wafer" surface

- panel
dimensions
1250 x 600
[mm]

REALXPS

MTR-ETICS-BT

XPS-EN13164-T3-CS(10\Y)300-TR400-DS(70/90)-DLT(2)5-WL(T)1,5-MU50



	Panel thickness [mm]	Panels per box [No.]	Quantity per box [m2]	Boxes per pallet [n.]	Quantity per pallet [m2]	Copressive strength declared* [kPa]
	60	7	10,50	12	126	300
	80	5	7,50	12	90	300
	100	4	6,00	12	72	300
	120	3	4,50	14	63	300
	140	3	3,00	12	54	300
	150	2	3,00	16	48	300
	180	2	3,00	14	42	300

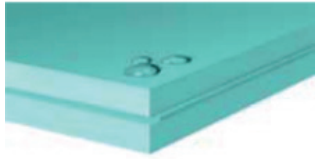
- shutter edge "L"

- Rough surface
with grooves

- panel
dimensions
1250 x 600 [mm]

REAL XPS

MTR-MAESTRO



XPS-EN13164-T1-CS(10\Y)*-DS(70/90)-DLT(2)5-WL(T)0,7-WD(V)1÷3-FTCD1-MU100

Panel thickness [mm]	Panels per box [No.]	Quantity per box [m2]	Boxes per pallet [n.]	Quantity per pallet [m2]	Compressive strength declared* [kPa]
50	8	13,44	12	161,80	250
60	7	11,76	12	141,12	300
80	5	8,40	12	100,80	300
100	4	6,72	12	80,64	300
120	3	5,04	14	70,56	300
140	3	5,04	14	70,56	300
160	2	3,36	16	53,76	300

• "D" interlock edge

• smooth surface with leather

• dimensioni del pannello 2800 x 600 [mm]

REAL SKIN

MTR-VENT-SILVER



Membrane with reflective, low-emission metallic surface, waterproof and permeable to water vapor to increase residential comfort

DESCRIPTION	WEIGHT	Length x width	Quantity per roll	Equivalent air thickness
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Steam-permeable and waterproof membrane with low-emissivity metal surface

83

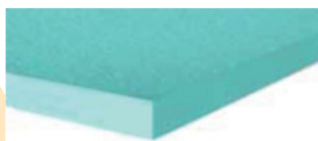
50 x 1,50

75

0,03

REAL XPS

MTR-FABRIC



Products available upon request

XPS-EN13164-T3-CS(10\Y)300*-DS(70/90)-DLT(2)5-WL(T)1,5-MU50

REAL Xps FABRIC products available upon request:

- Resistance to declared compression of CS(10\Y)300* [kPa]
- Thermic conductivity: from .032 to .036 [W/mK]

Options:

- Thickness from 9 to 180 [mm]
- Length from 1000 to 3100 [mm]
- Width from 600 to 1200** [mm]
- Panels with different types of grooves
- * compression resistance may vary from 200 to 700 kPa

• straight edge "I"

• open-cell surfaces