Polymeric formwork

for concrete structures









ADVANTAGES

– Can be used 30 to 50 times compared to plywood. It is a highly cost- effective material.

– It is a polymer-based product. Due to its polymer construction, it is 100% water-resistant.



ADVANTAGES

– It does not require epoxy oil or other treatments. The panels can be easily separated from the finished concrete.

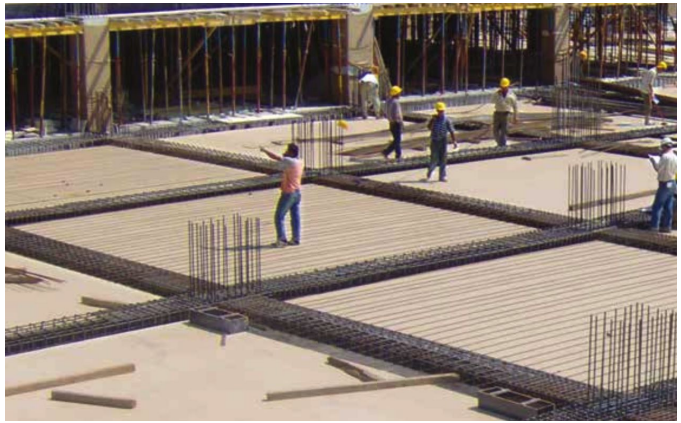
– It is a 100% recyclable product. After use, companies can sell leftover material to recycling companies.



ADVANTAGES

– It becomes a highly economical and profitable solution for companies that consume large volumes of plywood.

– It is a non-flammable product approved with a B1 fire-resistance certificate by many authorities.



ADVANTAGES

– It is a very lightweight product, allowing a construction worker to easily carry 3–4 panels.

– It is resistant to impacts and adverse conditions that commonly occur during construction. It does not break and is difficult to scratch.



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– It is more rigid than plywood when support spacing is applied as recommended. Different loads do not cause deformation of the product.



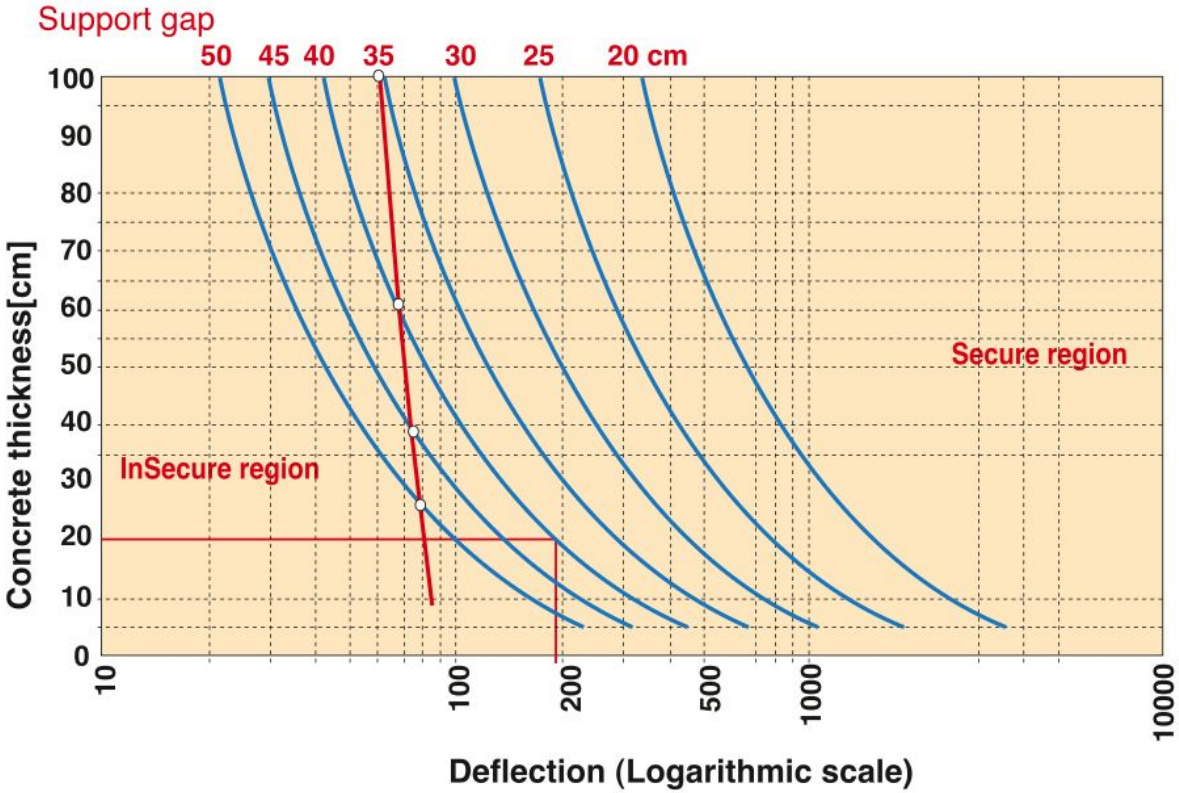
Economic benefit

	Price EURO, m2	Number of uses	Cost EURO, m2
Chinese plywood	7	3	2,33
Malaysian plywood	14	5	2,8
German plywood	21	12	1,75
Finnish plywood	27	17	1,59
Polymeric formwork	**29**	**min. 30 (30-50)**	**0,97**

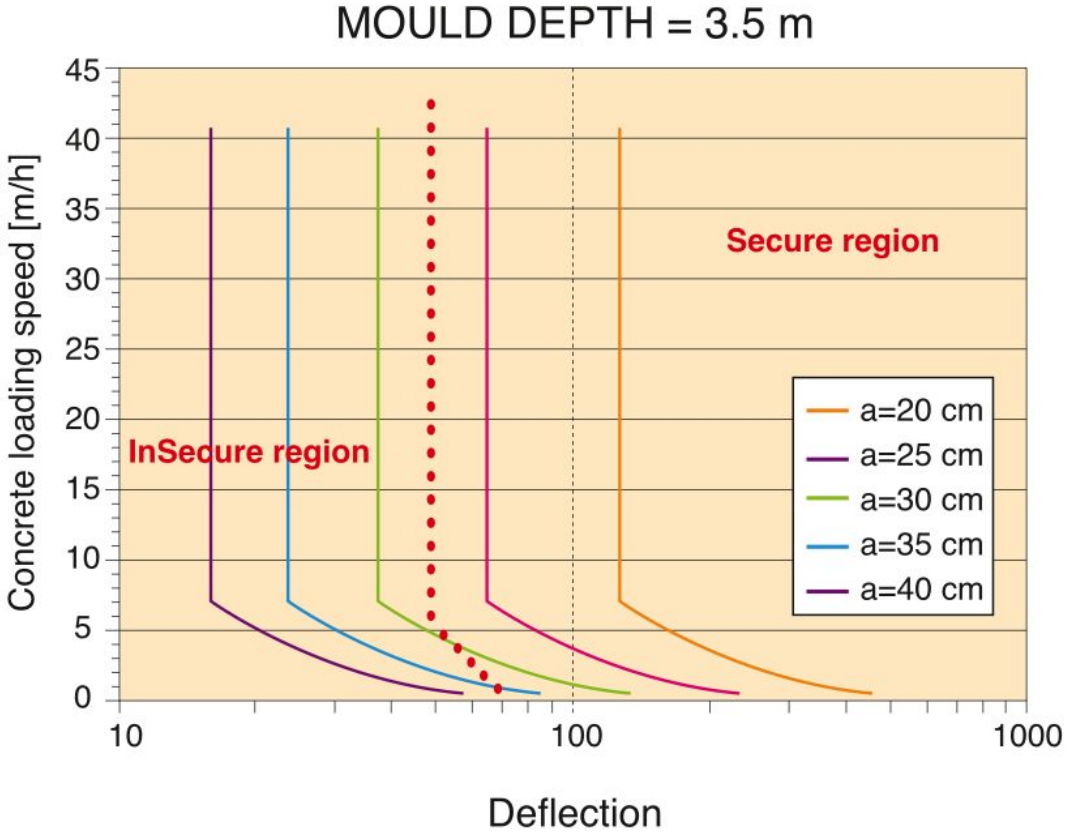
Dimensions

Measurement	***Size***
470x2500x18mm	1.175 m2
625x2500x18mm	1.5625 m2
625x2500x18 mm (3mm Wall Thickness)	1.5625 m2
625x2500x21mm	1.5625 m2

Floor


Support gap
50 45 40 35 30 25 20 cm
Concrete thickness[cm]
100
90
80
70
60
50
40
30
20
10
0
Secure region
InSecure region
10
100
200
500
1000
10000
Deflection (Logarithmic scale)

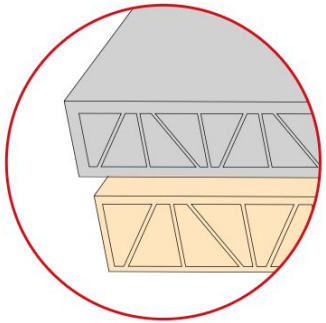
Walls


MOULD DEPTH = 3.5 m
Concrete loading speed [m/h]
45
40
35
30
25
20
15
10
5
0
10
100
1000
Deflection
Secure region
InSecure region
a=20 cm
a=25 cm
a=30 cm
a=35 cm
a=40 cm

Packaging



Loading





Packaging



4 plates wrapping



1 Pallet

Video

https://youtu.be/s49bCLzw8jE