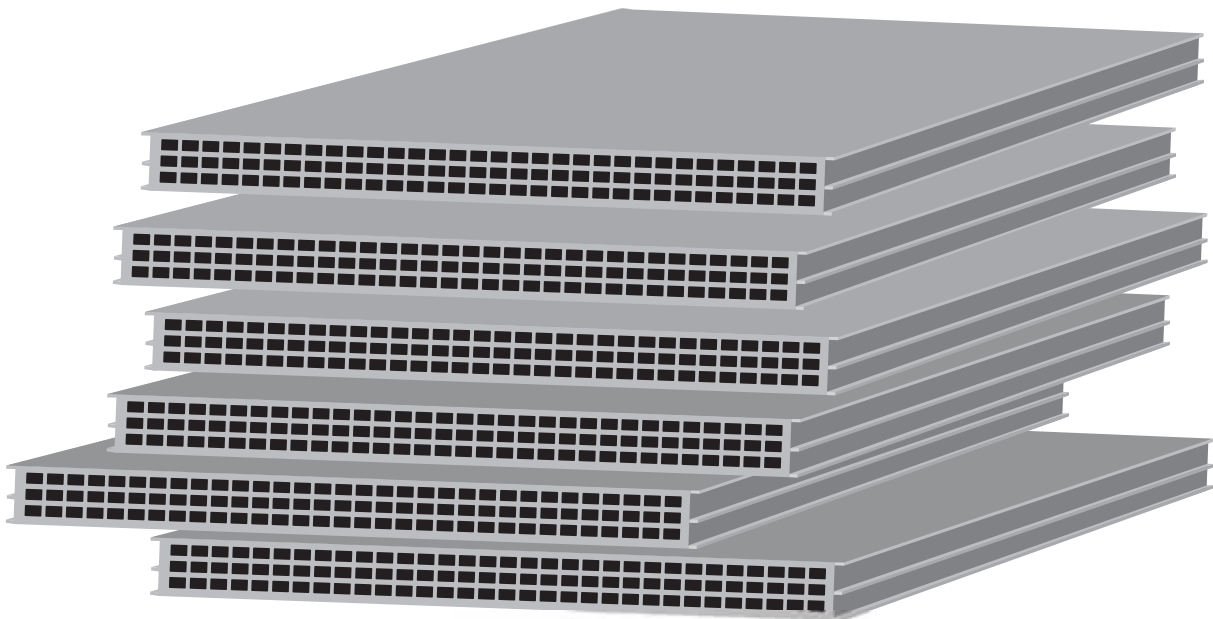


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SOLID | DURABLE | HIGH QUALITY | LONG LASTING

NEW GENERATION POLYMER FORMWORK



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NEW GENERATION POLYMER FORMWORK

Online Catalogue

 **MISA**[®]

MADE IN TURKEY



PLATFORM is New Generation Polymer Concrete Formwork developed by MISA in Turkey.

- ✓ More environmental
- ✓ More economical
- ✓ More durable

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What are the **Advantages** ?

 <p>1220x2440mm or 1250x2500mm Standard size boards has 18 or 21mm thickness</p>	 <p>Maximum efficiency on concrete formwork. Can be used with wooden or film- faced plywoods</p>	 <p>%100 PP Polymer based high quality nano-tech raw material</p>
 <p>Since there is no adherence between the polymer surface and concrete, thus it does not stick to the concrete, and gives a smooth concrete surface.</p>	 <p>Can be nailed, drilled or cut as done in plywood. Easier to assemble and it can be easily cleaned with water.</p>	 <p>Unlike Plywood, there is no deformation, rot or rust.</p>
 <p>Maximum performance between -10 +70 temperatures</p>	 <p>Since its recycling is based weight, even the smallest part is not wasted.</p>	 <p>It is long-lasting than any grade plywood; Longer life span even in the most severe working conditions</p>
 <p>It is with the highest impact resistance level, it won't break even it falls from height.</p>	 <p>It can be used in columns, walls, floors and beams. It is also very suitable for circular wall forming since it regains its form after stretching.</p>	 <p>It can be stored in any environment and is not affected by unfavorable strange conditions (water, humidity, insects, etc.).</p>



platform



Frequently Asked Questions

How's its impact resistance?

It is very easy to separate it from the concrete when dismantling because it does not adhere to concrete, thus we obtain a clean and smooth concrete surface even in long use, and also it is carried out quickly and without force. It is not affected by hammer blows when nailing and there is no cracking or breaking when it is pierced or at the exit point of the nail.

Is it affected by weather conditions?

100% PP Polymer with special additives, shows its maximum performance in the temperature range of -10 to 70. Even if it has been used or placed under direct sunlight or emerged fully in water for a long time, because of its 100% Polymer structure the product is not affected in any way. Additionally, it is not damaged by external factors such as moisture or pests. In this way, it also provides ease of storage.

Does it stick to concrete?

It does not stick to the concrete as it does not provide adherence, thus we obtain a clean and smooth concrete surface even in long use. This also speeds up the dismantling process. It is very easy to separate it from the concrete when dismantling because it does not adhere to concrete, thus we obtain a clean and smooth concrete surface even in long use, and also it is carried out quickly and without force. It is not affected by hammer blows when hammering nails and there is no cracking or breaking when it is pierced at the exit point of the nail.

Can it be recycled?

The 100% Polymer product is completely recyclable, even the smallest pieces are not wasted. Cashback on weight basis reduces the unit price of the product by up to 20%. Thus significantly reducing formwork material cost.

Can we cut or nail it?

18 and 21 mm thickness boards can be easily cut with a circular saw or jigsaw, as done in wooden and film-coated plywood boards. It is suitable for screwing, nails can be easily driven and removed. There is no breakage or cracking when cutting or hammering nails. In addition, its nail holding capacity is extremely high.

Is it long-lasting and where else we can use it?

Since the product is not affected by weather conditions even in the most severe circumstances and has strong impact resistance, it can be used with high efficiency in several areas such as construction formwork systems, train wagons, prefabricated buildings, and container construction in the automotive sector.



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What is **plaform**® ?

New generation product PLAFORM is made of %100 PP Plastic, fully recyclable, longer-lasting, lower cost, and lighter in weight. We are not only providing a new and sustainable product to the entire construction industry but also an important value and a new understanding of concrete formwork.





Usage Areas ?

It is a product that can be used in various sectors, especially in construction formwork. The surface performance is at the maximum level in re-use or after use, depending on the usage conditions in the construction site, the concrete surface and many factors. Plaform is recommended for floors with a material static concrete thickness of up to 25 cm, at intervals of 25-30 cm.

IN CONSTRUCTION

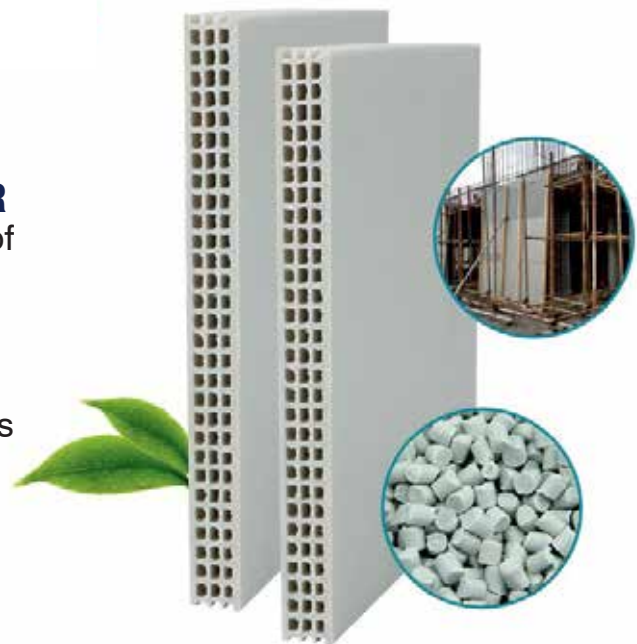
In concrete formwork, scaffolding platforms, interior partition and roofing works, flooring and parquet industry.

IN TRANSPORT AND SHIP SECTOR

It is used in the floor and side covers of the truck trailers,
The floors of the containers,
The floor and side parts of the wagons,
Animal transport vehicles,
Buses and shipbuilding in the cargo parts of the ships.

OTHER AREA OF USAGE

In toys,
Game halls,
Musical instruments,
Production of music columns,
Traffic signs, billboards and urban furniture, garden sheds.
It is used basketball backboards and skate courts, Wall climbing boards, Grandstands, stage and show constructions,
Kitchen counter tops and counter tops
Textile machine tables and cutting benches.



- ❑ Reduce your project cost and time with easier installation / lifting. (10.25 kg per m² for 18mm and 12.5 kg per m² for 21mm)
- ❑ Besides its many advantages, its application and function is the same as plywood and when used with plywood it provides a perfect combination.

Horizontal Use

Multi-Span Thick Surface

Deflection and Strength Tables in Line of Strong Axis

		Döşeme Beton Kalınlığı (cm)				Slab Concrete Thickness (cm)				Limit	
		10	12	15	18	20	25	30	35		40
		Servis Yüğü (kN/m ²)				Service Load (kN/m ²)					
		4.104	4.604	5.354	6.104	6.604	7.854	9.104	10.604	12.104	
		Tasarım Yüğü (kN/m ²)				Design Load (kN/m ²)					
		6.1404	6.8904	8.0154	9.1404	9.8904	11.7654	13.6404	15.5154	17.3904	
		EI= 1.287 kNm ²				T=15°C					
		Sehim (mm)				Deflection (mm)					
Mesbet Aralığı (cm) Girdir Spacing (cm)	15	0.011	0.012	0.015	0.017	0.018	0.021	0.025	0.029	0.033	2.111
	20	0.035	0.039	0.046	0.052	0.057	0.067	0.078	0.091	0.104	2.222
	25	0.086	0.096	0.112	0.128	0.138	0.164	0.191	0.222	0.253	2.333
	30	0.178	0.200	0.232	0.265	0.287	0.341	0.395	0.460	0.525	2.444
	35	0.330	0.370	0.430	0.491	0.531	0.631	0.372	0.852	0.973	2.556
	40	0.563	0.631	0.734	0.837	0.906	1.077	1.248	1.454	1.660	2.667
	45	0.902	1.011	1.176	1.341	1.451	1.725	2.000	2.329	2.659	2.778
	50	1.374	1.541	1.793	2.044	2.211	2.630	3.048	3.550	4.052	2.889
	55	2.012	2.257	2.624	2.992	3.237	3.850	4.463	5.198	5.933	3.000
	60	2.849	3.196	3.317	4.238	4.585	5.453	6.320	7.362	8.403	3.111
65	3.924	4.403	5.120	5.837	6.315	7.510	8.706	10.140	11.574	3.222	
70	5.279	5.922	6.886	7.851	8.494	10.102	11.709	13.639	15.568	3.333	
75	6.956	7.804	9.075	10.346	11.193	13.312	15.431	17.973	20.516	3.444	

Vertical Use

Multi Span Thick Surface

Deflection and Strength Tables in Line of Strong Axis

		Concrete Casting Speed (m/h)						Limit
		2	3	4	5	6	7	
		Maks. Concrete Pressure (kN/m ²)				Consistency: K2		
		39.0	49.0	59.0	69.0	79.0	89.0	
		EI= 1.287 kNm ²				T=15°C		
		Deflection (mm)						
Length Range (cm)	20	0.334	0.420	0.506	0.591	0.677	0.763	3.222
	25	0.816	1.025	1.235	1.444	1.653	1.862	3.333
	30	1.692	2.126	2.560	2.994	3.428	3.862	3.444
	35	3.135	3.939	4.743	5.547	6.351	7.154	3.556
	40	5.348	6.720	8.091	9.462	10.834	12.205	3.667
		Maks. Concrete Pressure (kN/m ²)				Consistency: K3		
		46.0	60.0	74.0	88.0	102.0	116.0	
Length Range (cm)	20	0.394	0.514	0.634	0.754	0.874	0.994	3.222
	25	0.963	1.256	1.548	1.841	2.134	2.427	3.333
	30	1.996	2.603	3.211	3.818	4.426	5.033	3.444
	35	3.698	4.823	5.949	7.074	8.199	9.325	3.556
	40	6.308	8.228	10.148	12.068	13.988	15.908	3.667



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Fatsa,Ordu-TÜRKİYE



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