

platform[®]

www.misaplaform.com

SOLID | DURABLE | HIGH QUALITY | LONG LASTING

NEW GENERATION OF POLYMER FORMWORK



 **misa**



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NEW GENERATION OF POLYMER FORMWORK



Online Catalogue












LOCAL PRODUCTION

Thanks to Misa - Platform to bring to TURKEY the new technology which is globally being used in the construction sector.

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

SOLID | DURABLE | HIGH QUALITY | LONG LASTING

What are the **Advantages** ?

 <p>1 Standard Platform 1250 x 2500 x 18 mm Available in thickness of 12 - 15 - 18 - 21 mm</p>	 <p>It provides maximum productivity in the mold with its ideal size and can be used with plywood.</p>	 <p>PP-based compared to 1st generation PVC-based polymer construction molds, produced with new generation technology.</p>
 <p>Since there is no adherence between the polymer surface and concrete, then it does not stick to the concrete, this gives a smooth concrete surface.</p>	 <p>Like plywood, it can be cut and nailed, it is lightweight and easier to install and it can be easily cleaned with water.</p>	 <p>Unlike Plywood, there is no deformation problem due to scratches</p>
 <p>It is resistant to all kinds of climatic conditions</p>	 <p>Since its recycling is based on weight, even the smallest part is not wasted.</p>	 <p>It is long-lasting; It is much longer than its counterparts eve in the hardest construction sites.</p>
 <p>It is with the highest impact resistance level, it won't break even if it falls from height.</p>	 <p>It can be used in columns, curtains, floors and beams. It is also very suitable for circular curtain manufacturing since it regains its form after stretching.</p>	 <p>It can be stacked in any environment and is not affected by unfavorable stronge conditions (water, humidity, insects, etc.).</p>

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?

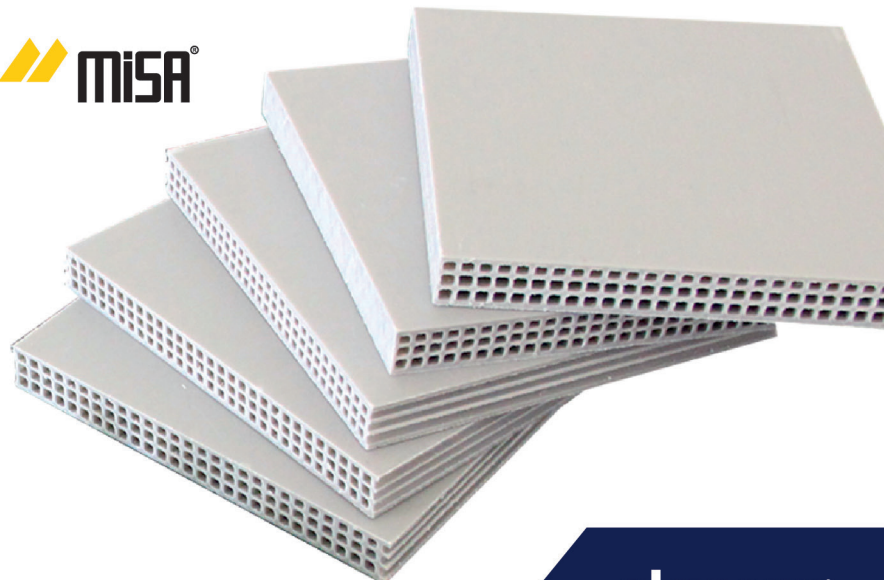
Since the product is not affected by weather conditions even in the most severe circumstances and has strong impact resistance, it can be used with high efficiency in several areas such as construction formwork systems, train wagons, prefabricated buildings, and container construction in the automotive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

The logo for 'plaform' features a stylized 'p' composed of three red squares stacked vertically, followed by the word 'laform' in a bold, black, sans-serif font.The logo for 'plaform' features a stylized 'p' composed of three red squares stacked vertically, followed by the word 'laform' in a bold, black, sans-serif font.



What is **plaform**® ?

Enriched with nano-technology raw materials and nano-polymer additives with high molecular values, the plaform has high strength and flexibility, and has a much lower deformation rate limited to 2mm compared to traditional plastic molds. Plaform, which is the last product offered to us by today's after wood, composite steel mold, film-coated wood mold, is environmentally friendly as well as being 100% recyclable, with very low depreciation costs, as well as its usage advantages.



plaform®

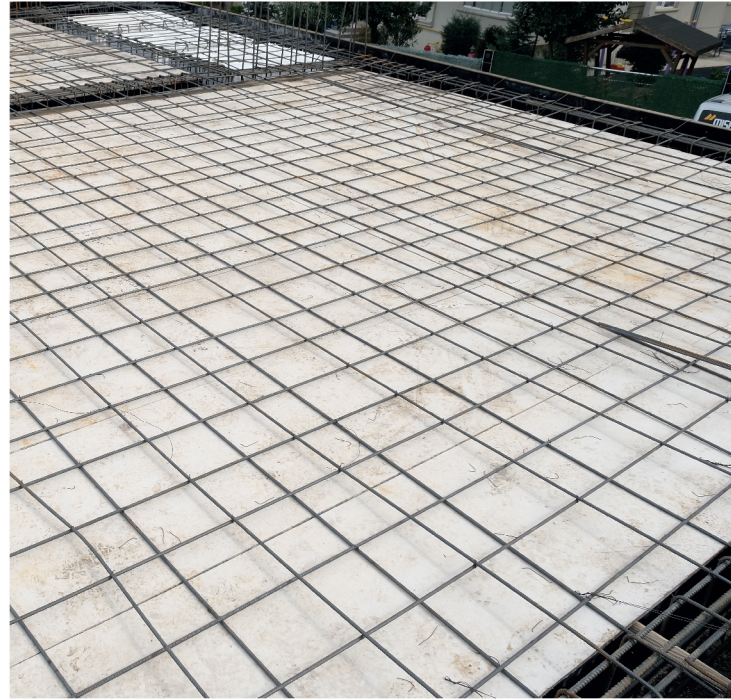


Usage Areas ?

It is a product that can be used in various sectors, especially in construction form-work. 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 formwork works, 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 9.4 kg per m2 for 15mm)
- 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

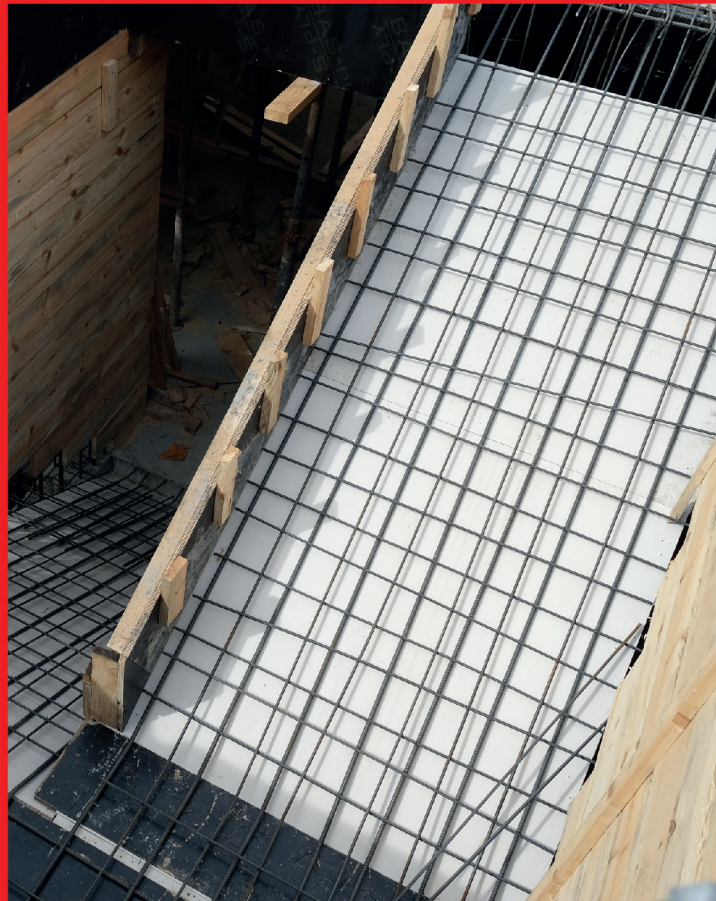
		Döşeme Beton Kalınlığı (cm)				Slab Concrete Thickness (cm)					
		10	12	15	18	20	25	30	35	40	
		Servis Yüğü (kN/m ²)					Service Load (kN/m ²)				
		4.104	4.604	5.354	6.104	6.604	7.854	9.104	10.604	12.104	
		Tasarım Yüğü (kN/m ²)					Design Load (kN/m ²)				
		6.1404	6.8904	8.0154	9.1404	9.8904	11.7654	13.6404	15.5154	17.3904	
		EI= 1.287 kNm ²					T=15°C				
		Sehim (mm)					Deflection (mm)				
Mesbet Aralığı (cm) Girder 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)							
		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)						Limit	
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	



Certificates



SERTİFİKA

MİSA KALIP PAZARLAMA SANAYİ VE TİCARET
LİMİTED ŞİRKETİ

FATSA OSB MAH. 110 KÖY SOKAĞI NO: 10 FATSA ORDU

ISO 14001:2015

BETONARME İÇİN PLASTİK KALIP, LEVHA ÜRETİMİ VE SATIŞI

Bu belge ile sertifika sahibinin yukarıda belirtilen adreste işleme dönüştürme kapasitesi ve gerekliliklerine uygun olarak TRB Belgelendirme Kuruluşu tarafından değerlendirildiği ve ilgili ürünün uygulandığı yuktada adı geçen yönetim sistemi şartlarının sağlandığı tespit edilmiştir. Ayrıca bu sertifika, kuruluşun TRB Belgelendirme'nin kurallarına uyduğu ve "www.trb.com.tr" adresinde yayımlanan "sertifika sorgulama kılavuzu" ile doğrulandığı ayrıca belirtilmiştir.

Sertifika No : DE-EC-2185
Tescil Tarihi : 31.01.2022
Geçerlilik Tarihi : 30.01.2023
Sertifika Dönemi : 3 Yıllık (Yıl)
Baskı No : 00



A. Ayar
Genel Müdür



Planimetris 17, D-48677 Münster/Deutschland
Telefon: 0049-7544-7446023 Fax: 0049-7544-7446029 web: www.trb.com.de E-mail: info@trb.com.de



SERTİFİKA

MİSA KALIP PAZARLAMA SANAYİ VE TİCARET
LİMİTED ŞİRKETİ

FATSA OSB MAH. 110 KÖY SOKAĞI NO: 10 FATSA ORDU

ISO 9001:2015

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Telefon: 0049-7544-7446023 Fax: 0049-7544-7446029 web: www.trb.com.de E-mail: info@trb.com.de



TECHNICAL FILE INSPECTION CERTIFICATE
TEKNİK DOSYA İNCELEME BELGESİ

MİSA KALIP PAZARLAMA SANAYİ VE TİCARET LİMİTED ŞİRKETİ
FATSA OSB MAH. 110 SK. NO: 10 FATSA ORDU / TÜRKİYE

That the following described product in our delivered version complies with appropriate basic safety and health requirements of BUILDING MATERIALS REGULATION 305/2011 / EU on its design and type, as brought into circulation by us. In case of alteration of the product, not agreed upon by us, this declaration will lose its validity.

Teslim edilen versiyonumuzda aşağıda tanımlanan ürünün, YAPI MALZEMELERİ YÖNETMELİĞİ 305/2011/AB tasarımı ve tipine göre tarayıcıda dolayısıyla sokulan uygun temel güvenlik ve sağlık şartlarına uygun olduğunu beyan ederiz. Ürünün değiştirilmesi durumunda, tarafımızdan imzalandığına varılmayan bu beyan geçerliliğini kaybedecektir.

Description Of The Product/Product Part	: CONSTRUCTION FORMWORK / PLATFORM
Ürün Adı / Ürün Parça Tanımı	: İNŞAAT KALIBI / PLATFORM
Brand/ Marka	: MİSA KALIP
Applicable EC Directives	: 305/2011/EU
Uygulanabilir Direktifler	: TS EN 16719
Applicable Harmonised Standards	: MİSA KALIP
Uygulanabilir Standartlar	: A1542574
Certificate Code	: TS EN 16719
Sertifika Kodu	: MİSA KALIP
Certificate Number	: A1542574
Certificate Issue Date	: 13.10.2023
Sertifika Baskı Tarihi	: 13.10.2024
Certificate Validity Date	: 13.10.2024
Sertifika Geçerlilik Tarihi	: 13.10.2024
EU Representative/AB Temsilcisi	: (Authorized Signature and Title)
(Yetkili İmza ve Unvan)	

Sistem etkin ve zamanında gösterir denetimler yapar bu belgeye şu şekilde geçerlidir:
1 yıl boyunca BEL, sistemden değişiklikler/kurulumlar: Bu belgeye göre belirlenen süreler için belirlenir. Bu belgeye göre belirlenen süreler için belirlenir. Bu belgeye göre belirlenen süreler için belirlenir.



ATTESTATION OF CONFORMITY

Manufacturer:
MİSA KALIP PAZARLAMA SANAYİ VE TİCARET LİMİTED ŞİRKETİ

Address: Fatsa OSB Mahallesi 110 Kby Sokağı No:10 Fatsa-ORDU/TÜRKİYE

Product:
PLASTİK KALIP LEVHASI
PLASTIC SHEET FOR FORMWORK OF REINFORCED CONCRETE

Model/Type:
18MM, 21 MM

Brand Name:
Misa - Plafon

Related Standard:
TSE K 12 Plastic sheet for formwork of reinforced concrete

Test Report: --

The above mentioned Technical File presented by manufacturer complies with requirements referred to Directive, 2001/95/EC: General product safety Directive, CE Marking Directive in add 1 (CE marking) & add 2 (Declaration of Conformity) applying to it.

The certificate is issued for the purposes of:
- drawing up EC declaration of conformity
- affixing to the products the CE marking.

This certificate with the referred technical file(s) is reviewed and attested with presumption of compliance with the essential requirements listed EU Directive(s) above. Other relative directive must be applied. This attestation does not abrogate the compulsory obligation of the manufacturer to issue the declaration of conformity. This certificate does not remove the responsibility in national / international trade of the company's (or product safety, labeling etc.). This certificate is written on subject to conditions. Any significant changes to the design and structure of the product will invalidate this certificate. The responsibility for the product and the test results in accordance with the regulation is the responsibility of the manufacturer or his authorized representative. This certificate is prepared by examining the technical file and test results of the customer.

Certificate No : FC-22-01-01
Certificate Date : 28.01.2022
Issue Date : 28.01.2022
Validity Period : 1 year (01/2022 - 01/2023)
Expiry Date : 27.01.2023

Onay/Approve

The document is valid as long as the Client complies with the terms of the contract, endorses annual test results and maintains the relevant requirements pursuant to International harmonization rules. Certificate validity status can be queried at www.astormayer.com

ASTOR MAYER LABORATUVAR MUAYENE BELGELENDİRME VE EĞİTİM HİZMETLERİ A.Ş.
Antar Mah. Çankaya Cad. No:78 Kat:1 / Beşiktaş / İSTANBUL / TÜRKİYE
+90 216 650 51 37 www.astormayer.com

TRB-09 Yayımlanma Tarihi:25.05.2017 Revizyon / Revizyon Tarihi:--

CERTIFICATE



Uluslararası
Belgelendirme

MİSA KALIP PAZARLAMA SANAYİ
VE TİCARET LİMİTED ŞİRKETİ

FATSA OSB MAH. 110 SK. NO: 10
FATSA/ ORDU /TÜRKİYE



Kuruluşunun "BAŞKA YERDE SINIFLANDIRILMAMIŞ PLASTİK İNŞAAT
MALZEMELERİNİN İMALATI (PLASTİK SUNİ TAŞ MERMERİT
İMALATI)" Kapsamı için

For scope "MANUFACTURING OF PLASTIC CONSTRUCTION MATERIALS
NOT ELSE CLASSIFIED (PLASTIC ARTIFICIAL STONE MARBLE
MANUFACTURING)"

KALİTE YÖNETİM SİSTEMİ QUALITY MANAGEMENT SYSTEM

Kuruluşunu ve uyguladığını belgelendirmek ve BEL tarafından gerçekleştirilen denetim
bu yönetim sisteminin aşağıdaki standartları karşıladığını doğrulamaktadır.

It certifies that it is established and implemented, and the audit performed by BEL.
It confirms that this management system meets the requirements of the following standard.

ISO 9001:2015

Sertifika Numarası / Certificate Number : A1542571
Sertifika Kodu / Certificate Code : MİSA KALIP
Sertifika Yayın Tarihi / Certificate Issue Date : 13.10.2023
Sertifika Geçerlilik Tarihi / Certificate Validity Date : 13.10.2024
Sertifika Periyodu / Certificate Period : 1 Yıl / 1 Year

Belgelendirme, kuruluşun belgelendirme alanındaki faaliyetlerini belgelediği bir süreçtir.
Bu belge, kuruluşun belgelendirme alanındaki faaliyetlerini belgelediği bir süreçtir.
Belgelendirme, kuruluşun belgelendirme alanındaki faaliyetlerini belgelediği bir süreçtir.



002873

BELCERT ULUSLARARASI BELGELENDİRME ŞİRKETİ

Hürriyet Bulvarı, No:45, Türkseken Apt. K:1-D:7, Yakuplu, Beyliközü / İstanbul
Telefon: 0212 438 04 76 - E-mail: info@belcert.com

Belgenin geçerlilik durumu: <https://www.belcert.com> adresinden kontrol edilebilir.

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CERTIFICATE



Uluslararası
Belgelendirme

MİSA KALIP PAZARLAMA SANAYİ
VE TİCARET LİMİTED ŞİRKETİ

FATSA OSB MAH. 110 SK. NO: 10
FATSA/ ORDU /TÜRKİYE



"Müşteri Memnuniyeti ve Şikâyetleri Yönetim Sistemi"

"Customer Satisfaction and Complaints Management System"

(ISO 10002:2018)

Kuruluşunu ve uyguladığını belgelendirmek ve BEL tarafından gerçekleştirilen denetim
bu yönetim sisteminin aşağıdaki standartları karşıladığını doğrulamaktadır.

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Sertifika Numarası / Certificate Number : A1542573
Sertifika Kodu / Certificate Code : MİSA KALIP
Sertifika Yayın Tarihi / Certificate Issue Date : 13.10.2023
Sertifika Geçerlilik Tarihi / Certificate Validity Date : 13.10.2024
Sertifika Periyodu / Certificate Period : 1 Yıl / 1 Year

Belgelendirme, kuruluşun belgelendirme alanındaki faaliyetlerini belgelediği bir süreçtir.
Bu belge, kuruluşun belgelendirme alanındaki faaliyetlerini belgelediği bir süreçtir.
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002874

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Uluslararası
Belgelendirme

MİSA KALIP PAZARLAMA SANAYİ
VE TİCARET LİMİTED ŞİRKETİ

FATSA OSB MAH. 110 SK. NO: 10
FATSA/ ORDU /TÜRKİYE



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NOT ELSE CLASSIFIED (PLASTIC ARTIFICIAL STONE MARBLE
MANUFACTURING)"

Çevre Yönetim Sistemi Environmental Management System

Kuruluşunu ve uyguladığını belgelendirmek ve BEL tarafından gerçekleştirilen denetim
bu yönetim sisteminin aşağıdaki standartları karşıladığını doğrulamaktadır.

It certifies that it is established and implemented, and the audit performed by BEL.
It confirms that this management system meets the requirements of the following standard.

ISO 14001:2015

Sertifika Numarası / Certificate Number : A1542572
Sertifika Kodu / Certificate Code : MİSA KALIP
Sertifika Yayın Tarihi / Certificate Issue Date : 13.10.2023
Sertifika Geçerlilik Tarihi / Certificate Validity Date : 13.10.2024
Sertifika Periyodu / Certificate Period : 1 Yıl / 1 Year

Belgelendirme, kuruluşun belgelendirme alanındaki faaliyetlerini belgelediği bir süreçtir.
Bu belge, kuruluşun belgelendirme alanındaki faaliyetlerini belgelediği bir süreçtir.
Belgelendirme, kuruluşun belgelendirme alanındaki faaliyetlerini belgelediği bir süreçtir.



002871

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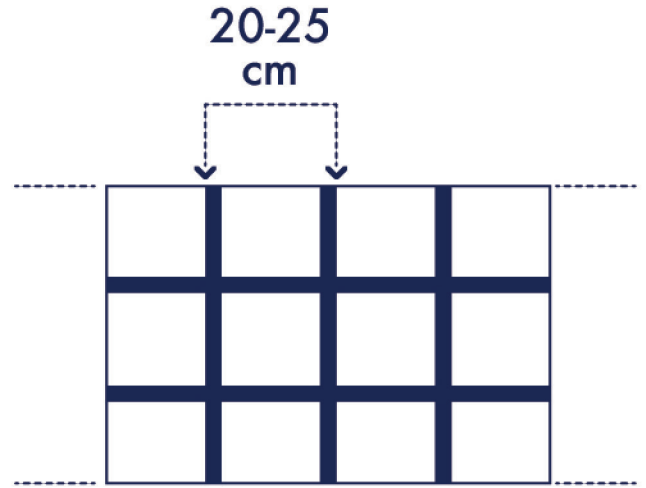
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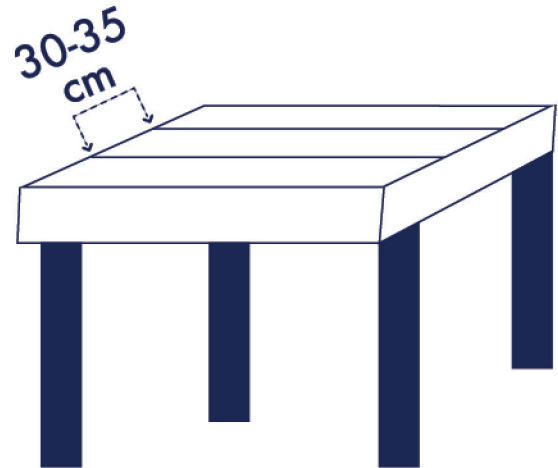
USER MANUAL

1- If the support in the shear wall construction is in the vertical direction, plate grooves should be horizontal. If plate grooves are used vertically, supports should be placed horizontally.

2- Support intervals in shear wall construction should not exceed 20-25 cm.



3- Support intervals in flooring construction should not exceed the range of 30-35 cm.



4- The product should be cleaned with water after each disassembly.

plaform®

www.misaplaform.com



Online Catalogue



Fabrika
OSB Mahallesi 110. Köy Sok. No:10
Fatsa Organize Sanayi
Fatsa,Ordu-TÜRKİYE



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