PLAMAX®



Plamax®

Strength, Design, Exceptional Craftsmanship...

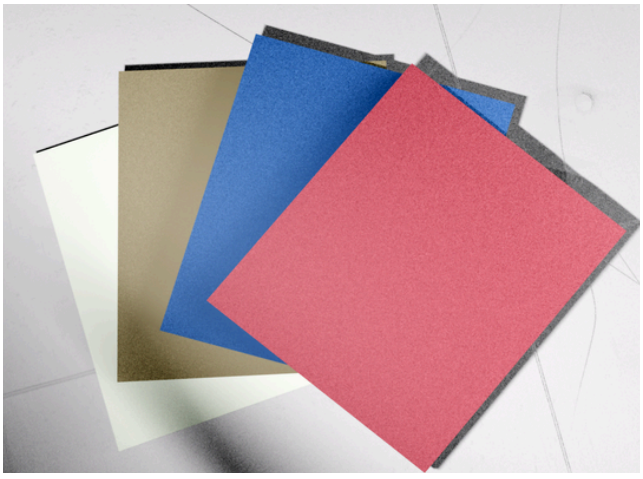
About Us

PLAMAX is a brand that develops innovative surface and structural solutions for architectural and industrial projects, bringing together high quality and thoughtful design.
Since its establishment, PLAMAX has delivered value-added solutions for projects of various scales, with a strong focus on aesthetics, durability, and functionality.

From material selection and manufacturing processes to application details and after-sales support, PLAMAX maintains high quality standards at every stage. The company aims to be a reliable solutions partner for architects, engineers, contractors, and investors, developing tailored solutions for specific project requirements and addressing the technical and visual demands of contemporary architecture with an integrated approach.

Guided by the principles of sustainability, innovation, and long-term performance, PLAMAX continues to create lasting value in the industry through advanced manufacturing technologies and strong business partnerships.

Redefining Standards !



Quality, Speed, Efficiency

SUSTAINABLE SOLUTIONS TAILORED TO YOUR NEEDS







The Story of PLAMAX

The quality of the panel used in construction is just as important as the performance of the formwork system itself. With every use, traditional plywood panels are gradually affected by water, concrete, chemicals, impact, and changing weather conditions. As the panel surface deteriorates, concrete finish quality, labor efficiency, and the overall cost of formwork operations are all negatively impacted.

The idea behind PLAMAX was simple: a formwork panel should do more than simply serve its purpose. It should withstand demanding construction-site conditions, maintain its performance over extended use, and deliver genuine economic value to the user.

With this approach, PLAMAX developed an alternative solution to the fundamental challenges associated with traditional plywood panels. The goal was not only to produce a more durable panel, but also to make the entire formwork process more efficient, predictable, and sustainable.

Born from Real Needs on the Construction Site

For this reason, PLAMAX was developed as a solution that combines durability, reusability, and practical ease of use.
Longer service life, reduced panel consumption, less maintenance and replacement, and more efficient formwork operations...

More Than Just a Formwork Panel

Because for us, it is not simply about producing a panel for today, but about providing a smarter solution for the construction needs of tomorrow.

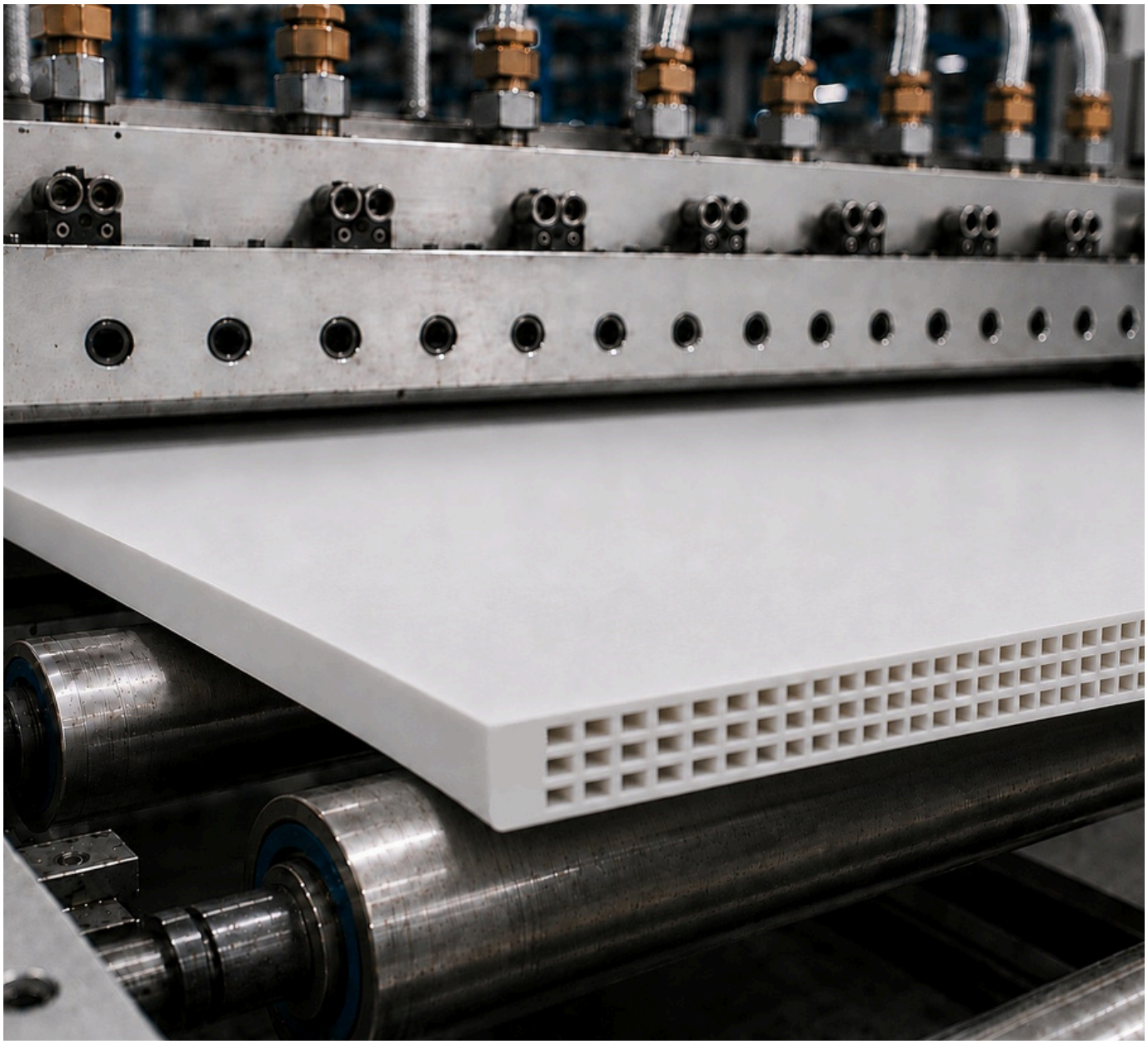
Towards the Future of Formwork Solutions

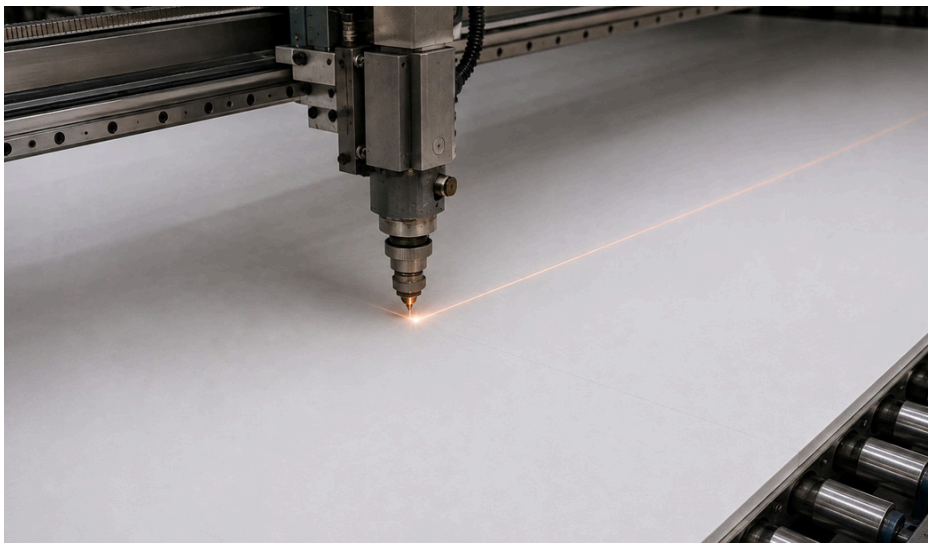
The construction industry needs faster, more efficient, and more sustainable solutions. As part of this transformation, PLAMAX was developed to rethink the limitations of conventional practices and bring a new perspective to formwork technologies.

PLAMAX – A New Approach to Durability and Efficiency in Formwork.

QUALITY CERTIFICATION Our quality management system and manufacturing processes are certified in accordance with the DIN EN ISO 9001:2015 standard.

PLAMAX®







TODAY'S STRENGTH - TOMORROW'S SOLUTION

PLAMAX



VISION

Our vision is to become a leading brand that shapes the future of formwork technology in the construction industry, recognized and preferred in both national and international markets for its innovative products and high manufacturing standards.

MISSION

Our mission is to combine project requirements with advanced technology, quality, and engineering expertise to produce durable, lightweight, efficient, and long-lasting formwork solutions, while delivering sustainable value and reliable performance to our customers.

VALUES

QUALITY
We are driven by our passion for quality.

SUSTAINABILITY
We build for today, tomorrow, and the future.

CUSTOMER FOCUS
Customer satisfaction is our priority.

RESPECT
It defines our place in the industry.

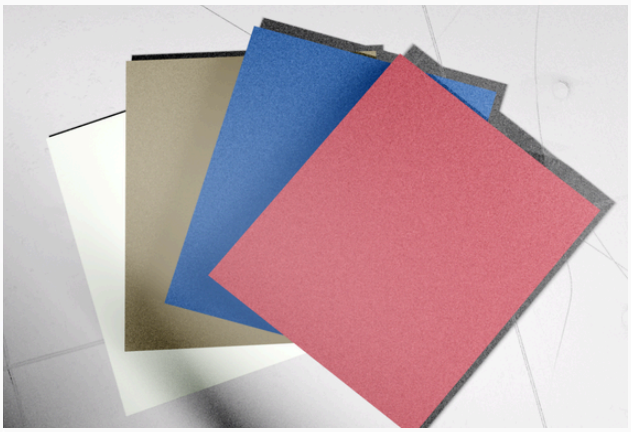
Without compromising on quality, we deliver sustainable solutions and strengthen our customer-focused approach through mutual respect. Guided by all our values, we build trust today and create lasting value for the future.

With every PLAMAX panel, we build quality; with every solution, trust; and with every step, the future.

PLAMAX®



Provides high impact resistance and long-lasting durability.



WIDE RANGE OF APPLICATIONS IN THE CONSTRUCTION INDUSTRY

- Suitable for all construction sectors
- Tunnel and special formwork applications
- Formwork retailers and suppliers
- Precast concrete and concrete products industry



SUITABLE FOR ALL FORMWORK SYSTEMS



Solutions tailored to your needs

PLAMAX - Pro
PLAMAX - Nova
PLAMAX - Eko

QUALITY MANAGEMENT

WORLD ASSOCIATION FOR QUALITY FOR QUALITY OPERATIONS

ISO 9001:2015

CUSTOMERS IN 20+ COUNTRIES





WORLDWIDE

MORE THAN 150 CUSTOMERS

A trusted solution partner across different geographies.

RESISTANT TO WATER, MOISTURE AND HARSH WEATHER CONDITIONS
Maintains its shape even under harsh conditions.

HIGH STRENGTH AND IMPACT PERFORMANCE
Provides a durable structure for heavy-duty conditions.

ECO-FRIENDLY AND RECYCLABLE
Manufactured with an environmentally conscious approach.

LIGHTWEIGHT AND EASY TO USE
Easy to carry and easy to install.

SAVES TIME AND LABOR
Enables quick setup and easy removal / reinstallation.



IN THE LAST 2 YEARS

160,000 m²

OF PLYWOOD SAVED

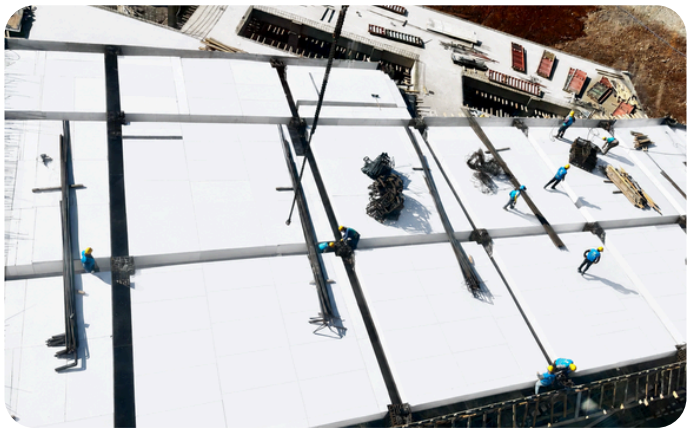
While improving surface quality in thousands of projects,

PLAMAX®

MORE POURS
LONGER SERVICE LIFE











Plamax®

FORMWORK IS CHANGING THE STANDARD IS RISING

PLAMAX is engineered to meet the demands of modern construction applications, delivering high durability, long service life, and superior performance. Its robust structure withstands demanding weather conditions while helping achieve consistently smooth, high-quality concrete finishes.

PLAMAX offers users a choice of three different models.

Choosing the formwork panel that best suits your needs depends on the specific requirements of your application. With our experience and expertise, we are always ready to help you select the right solution.



Superior Performance and Maximum Strength

- Manufactured to the highest standards of quality and strength.
- Designed for intensive, professional construction-site conditions.
- Delivers high performance through repeated use.
- Provides long service life and exceptional durability.
- An ideal solution for projects requiring superior performance.



Plamax Pro 21 mm Steel Waler and H20 System Vertical Formwork Application



Plamax Pro 9 mm Aluminum System Slab Formwork Application



Balanced Quality and Performance

- Offers a balanced solution combining quality, durability, and cost efficiency.
- Provides reliable performance across a wide range of reinforced concrete formwork applications.
- Designed to withstand demanding construction-site conditions.
- Offers practical handling with optimized cost efficiency.
- Ideal for projects seeking the right balance between performance and economy.





Plamax Nova 21 mm Panel Formwork – Shear Wall Concrete Pouring Application

Note:
For vertical use, the support spacing between panels should be 25 cm.
For horizontal use, the support spacing should be 35 cm.



Economical and Practical Solution

- Offers an economical cost of use.
- Provides a practical solution for standard formwork requirements.
- Its lightweight structure makes handling and installation easier.
- Offers a cost-effective alternative tailored to project needs.
- An advantageous choice for budget-conscious applications.



Plamax Eko 18 mm Slab Formwork Application



Plamax Eko 18 mm Beam Soffit Formwork Application





Plamax-Pro

PANEL INSTALLATION





PLAMAX® Pro panels can be installed on all common formwork systems in just a few steps. The following equipment is required for panel installation:

- Silicone gun and silicone sealant
- Riveting tool
- Cordless drill and battery
- Countersink drill bit for rivets
- Rivets

Although not required for the structural integrity of the panel, silicone may be applied to the corner area where the panel contacts the formwork after installation, in order to prevent cement slurry from entering the space between the formwork and the panel.

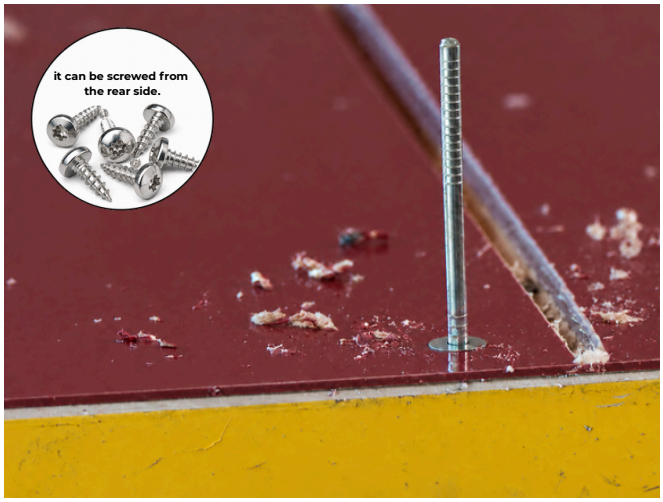




Once the panel has been correctly aligned, the rivet holes are drilled through the panel into the formwork system. During the same operation, the hole openings are countersunk to an angle of 120°.

- Drill bit diameter: 5.1 mm
- Rivet diameter: 0.1 mm smaller than the drill bit diameter

Due to the panel’s long service life, steel rivets are used for fastening. The panel can also be secured by screwing it from the rear side.





Use a pneumatic rivet gun to fasten the rivets.

Since PLAMAX® panels do not swell or shrink, they are installed flush with the surface of the formwork system. This ensures a smooth and flawless joint appearance from the very first use.



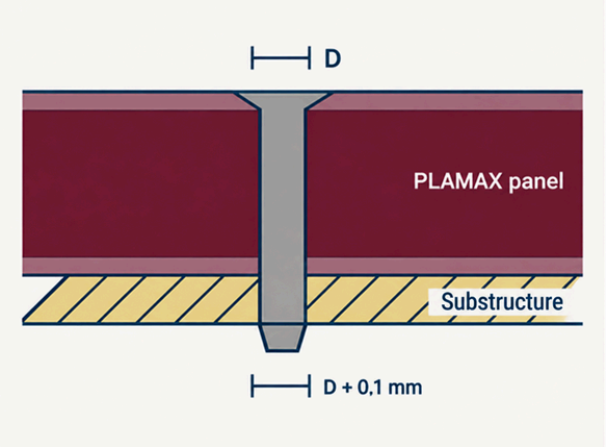


The gap between the formwork system’s panel lip and the panel can be filled with silicone. However, since the panel does not absorb water and is resistant to moisture, this step is not mandatory.

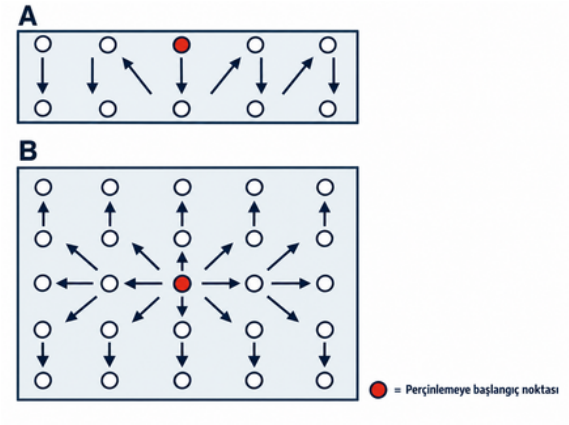
Caution:
If the gap is greater than 2 mm, use silicone only.
Acrylic must never be used.

Rivets must always be inserted from the concrete-contact side of the formwork. The supporting structure and the PLAMAX® panel must be pre-drilled and countersunk. The hole diameter should be 0.1 mm larger than the rivet diameter.

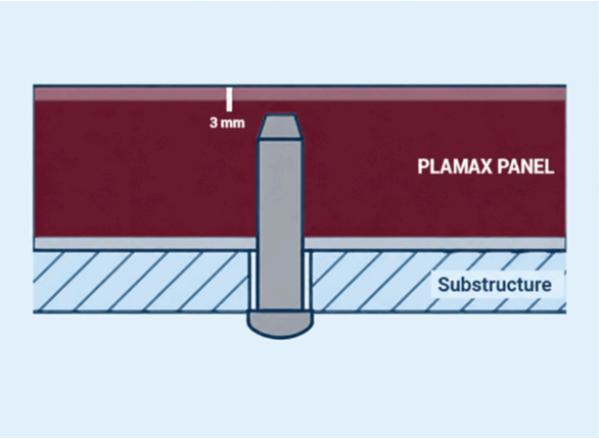
Important! – Use the correct rivet length!



Riveting Sequence:
To prevent waviness on the panel surface during riveting, the riveting process should always be carried out from the center outward. Refer to the examples shown in Figures A and B.



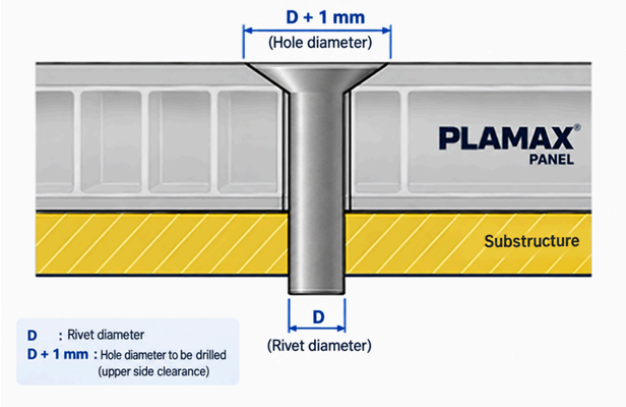
Please note:
The rivet positions shown in the drawings are for illustrative purposes only and do not represent the actual rivet placement.



Rear-Side Fastening:
If the PLAMAX® panel is to be fastened from the rear side of the frame, it can be installed using self-tapping screws through the existing holes in the frame. The screw length must be selected so that it does not penetrate through the front surface of the panel.

Practical Rule:
Supporting structure thickness + PLAMAX® panel thickness
– 3 mm

Front-Side Screw Fastening of Panels:
If the PLAMAX® panel is to be fastened with screws, the panel surface must be pre-drilled and countersunk. The hole diameter should be approximately 1 mm larger than the screw diameter.
A screw type suitable for the frame structure must be selected.



SILICONE APPLICATION

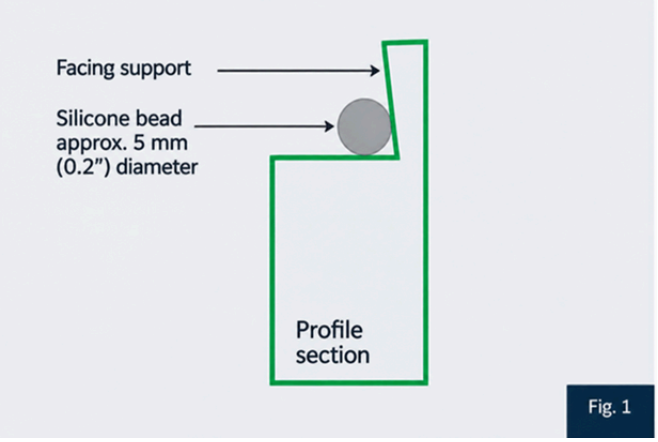
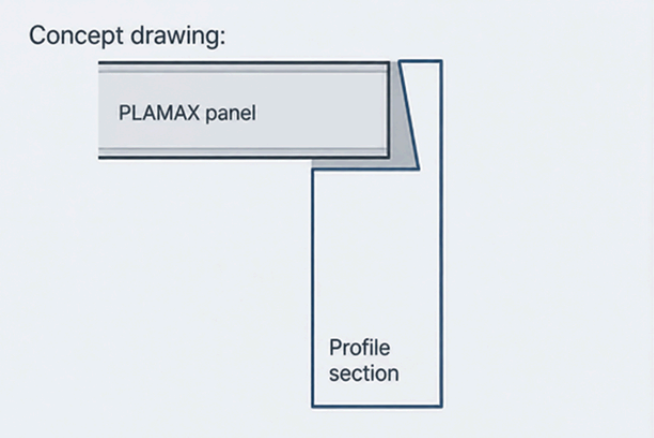


Fig. 1

Please note:
Before installing the PLAMAX® panel, silicone must be applied to the frame profile. A continuous silicone bead approximately 5 mm in diameter should be applied along all four edges of the profile. Refer to Figures 1 and 2.

If there is a gap of 2 mm or more between the panel and the frame, it is recommended to fill this gap with silicone in order to achieve visual consistency and an optimal concrete surface finish.


Şekil 2



Note:
To improve silicone adhesion on PLAMAX® panels and powder-coated frame surfaces, a "wet-on-wet" application is recommended. With this method, the silicone forms an L-shaped profile beneath the panel, providing stronger mechanical adhesion.



Easy Installation with Nails, Screws, and Rivets

PLAMAX can be installed quickly and easily using standard fasteners such as nails, screws, and rivets. Its compatibility with different fixing methods provides users with a practical and flexible installation process.



Easy Cutting for Custom Sizes

Its easy-to-cut structure allows for quick and practical processing on site. Using standard cutting equipment such as circular saws, PLAMAX can be easily adapted to the required dimensions, providing efficient solutions with reduced material waste.



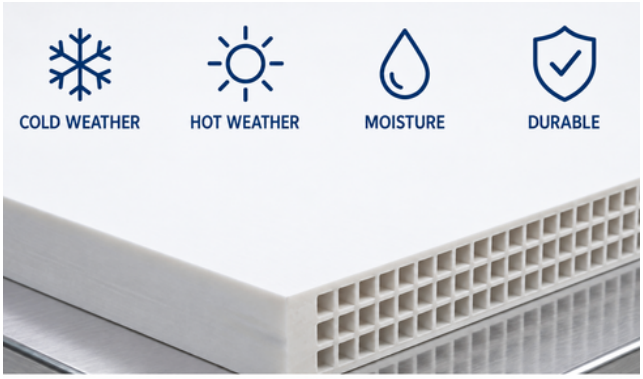
Quick and Easy Cleaning

Its smooth surface allows for quick and effortless cleaning after use. Concrete and mortar residues can be easily removed with water. This practical cleaning feature provides a significant advantage when preparing the panels for reuse.



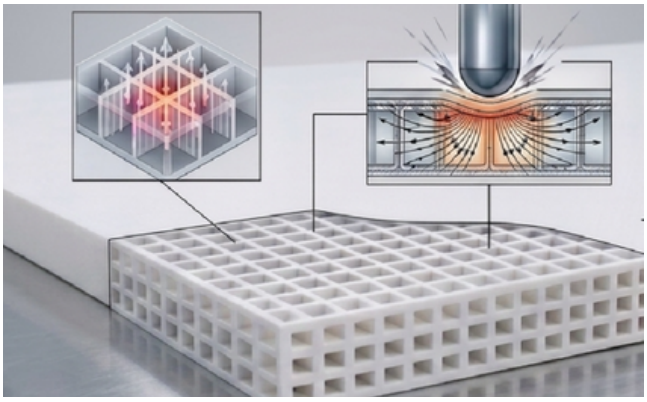
Smoother Surface Than Plywood

After 10 pours under the same construction-site conditions, the difference between the concrete surface produced with PLAMAX and the surface formed with plywood is clearly visible. With plywood, repeated use, moisture, rain, continuous contact with concrete, and stripping operations can lead to noticeable marks and surface irregularities. In contrast, surfaces formed with PLAMAX maintain a smoother and more uniform appearance.



Weather Conditions

It is unaffected by external factors such as temperature fluctuations, cold weather, water, and humidity, making it suitable for demanding storage conditions. PLAMAX maintains its performance and can be used reliably in temperatures ranging from -20°C to +78°C.



High Impact and Abrasion Resistance

PLAMAX provides high impact resistance and long-lasting performance thanks to its advanced internal structure. Instead of concentrating impact at a single point, it distributes the force evenly across the surface. Even under intensive use, it offers high resistance to cracking, breaking, and crushing.



Suitable for All Types of Formwork Systems

PLAMAX delivers excellent compatibility and high performance across all types of formwork systems, including timber-beam, panel, slab, circular, and climbing systems. Designed in accordance with industrial formwork standards, PLAMAX offers high reusability across a wide range of applications, from modular panel systems to custom circular formwork.



RECYCLING

PLAMAX contributes to sustainable construction projects through its environmentally responsible manufacturing approach. At the end of its service life, its recyclable structure supports environmental sustainability.



FULL-POWER PERFORMANCE WITH MORE POURS

LET'S BUİLD SOMETHING BETTER TOGETHER

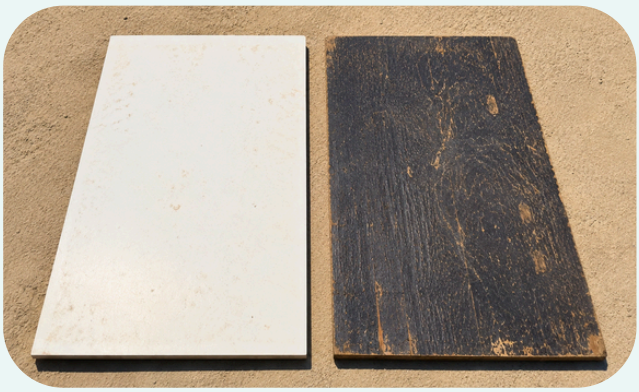
PLAMAX delivers up to 4 times more concrete pours than traditional wood-based panels thanks to its high durability. Its water- and moisture-resistant structure supports long-term use while helping achieve smooth, uniform concrete surfaces.

With PLAMAX:

- Guaranteed up to 4 times more concrete pours than plywood
- Water- and moisture-resistant structure
- No formwork oil required
- High impact and abrasion resistance
- Easy-to-clean surface
- Smooth and uniform concrete finish
- Easy installation with nails, screws, and rivets
- Easy cutting and shaping
- Designed for repeated use
- Fully recyclable

Choose PLAMAX for longer service life, lower costs, and more efficient construction-site operations.

THE PLAMAX PERFORMANCE ADVANTAGE: LOWER COST PER POUR




PLAMAX®

PLAMAX SERVICE NETWORK

We provide accessible, solution-oriented service at every stage of your projects. Through domestic and international deliveries, company and construction-site visits, and consultancy services, we respond quickly and effectively to your project requirements.





Plamax® | Formwork and Manufacturing

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