

# Plasticiet

# Mother of Pearl



## **Product Information**

14-05-2026, V1.3

## **Product**

A non-porous, grain patterned solid surface board made from recycled polycarbonate and mineral pigments for interior, design and architecture.

## **Company information**

Plasticiet Productions B.V.  
Voltaweg 3  
2626 BD  
Delft

[www.plasticiet.com](http://www.plasticiet.com)  
[info@plasticiet.com](mailto:info@plasticiet.com)

### Available Colors

Gentle Blue, Happy Orange, Bosch Green, Classic, Graphite, Dune, Coral, Victoria Green.  
Custom colors available on request.

### Material Composition

Base: Polycarbonate (100% recycled)  
Pigments: Various mineral pigments  
Binders: None  
Fillers: None

Physical Properties		
Property	Value	Notes
Material	Polycarbonate	
Finish	Gloss	Satin available
Thickness	12mm	Roughly 1mm margin
Size	1020x520mm	Roughly 1mm margin
Stiffness	High	
Scratch Resistance	High	
Moisture Absorption	Minimal	
UV Resistance	Good	Can be increased with UV coating
Density	$1,20 \cdot 10^3$	
Linear Expansion	0,64mm/10° C	
Max. Temperature	90°C	
Glass Transition	147°C	
Thermal Conductivity	0,2 W/m·K	
Flammability Rating	HB	Uncertified (pending B-s1,d0)
Recycled Content	99,9%	

### Chemical Stability

Chemical	Resistance	Notes
Water	Good	
Hydrocarbon Solvents	Poor	Hexane, Toluene, Xylene etc.
Ketone Solvents	Very Poor	Acetone, MEK, Thinner etc.
Alcohols	Good	(M)ethanol, Isopropanol etc.
Chlorinated Solvents	Very Poor	Methylene Chloride, chloroform etc.
Detergents	Good	Use mild detergents only.
Oil And Grease	Good	Stable under typical use.

## Cleaning recommendation:

Use mild soap and water.  
Refrain from using abrasive cleaning agents or tools.  
Use a soft, clean cloth (cotton or microfiber).

## Fabrication Guidelines

Technique	Information	Notes
Cutting:	Wood Blade Low Rotary Speed	Move fluently over the table saw.
Joining:	Epoxy Glue Cyanoacrylate Glue UV-Glue	Remove dust and grease prior to gluing.
Thermoforming:	120°C	Minimal temperature for bending.
Sanding:	Not advised	Finish with a coating after sanding.
Safety:	Respirator, eye protection, ear protection.	

Mother Of Pearl Sheets can be cut, milled, drilled, threaded, countersunk, chamfered, waterjet cut and cnc milled. Use sharp tools for the best and safest results. Using dull tools may result in the material melting or even warping. Always predrill holes before screwing. To prevent melting, we advise to use high rotary speeds on powertools and to move swiftly, except when drilling. Cooling agents can be used.

Mother Of Pearl sheets are finished on one side.

## Storage And Handling

Store flat, indoors and away from direct sunlight and moisture.  
Recommended temperature for storage 0-40°C.  
Avoid stacking more than 10 sheets without straps.

## Safety And Environmental Information

VOC emissions are not tested and expected low.  
Mother Of Pearl sheets and cutoffs are fully recyclable.  
Offcuts can be returned to manufacturer, please get in touch with Plasticiet.

## Disclaimer

Plasticiet Mother Of Pearl sheets need to be cut square before working.

Samples and images serve as a material impression only and may look different in real life. Note that Mother Of Pearl is a semi-translucent material and light can influence its appearance. Small samples can appear lighter than a full size sheet.

Although we do our very best to prevent this, our material may contain air pockets and surface dimples.

Due to the recycled origin of our base materials, our material may contain color differences and material impurities.

We imply that you use this Product Information as guideline only because it may not completely represent our product.

The above values are based on internal formulation data and similar industry materials. Actual properties may vary. Independent laboratory testing is recommended for certified performance results. All data are indicative and subject to change upon official testing.

No rights can be derived from this information.