



We Serve Globally



Highly Chemical Resistant  
Work Surfaces

Highly Chemical Resistant Laboratory Furnishings:  
Work Surfaces, Sinks and Shelving



## Marmo-Labs

The Marmox Co. (Egypt), ISO 9001 certified, specialises in producing heavy-duty and innovative polymeric products for the building industry based on epoxy, polyester, acrylics and polyurethane.

After a long period of intensive research, we have developed superior quality Marmox Lab-Tops for various laboratory applications.

Marmox Lab-Tops are produced from a special modified epoxy material, distinguished for its very high chemical resistance, strength, durability, UV-resistance and accurate dimensions.

Meeting all international specifications, our Lab-Tops are very cost-effective and can be customised to accommodate any design requirement.

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## Marmo- Labs Specifications

Properties	Value
Resistance to immersion in boiling water Increase in mass Increase in thickness	0.21164 % No effect
Resistance to dry heat at 180°C for 20 minutes	Degree 4
Dimensional stability at dry heat at 70°C ±2 for 24 hours	No effect
Resistance to impact by small diameter ball	No effect
Resistance to staining Acetone 24 h Alcoholic 24 h Salt NaCl solution 24 h Cleaning solution 24 h Coffee 16 h Cola 16 h Sodium hydroxide 10 min Citric acid 20 min	No effect
Compressive strength	75 N/mm <sup>2</sup>
Tensile strength	21 N/mm <sup>2</sup>
Thermal expansion	Over 1.6 x10 <sup>-5</sup> /°C
Water absorption	0.0270 %
Immersion 24 hrs in the following chemicals 38% HCL - 98% H <sub>2</sub> SO <sub>4</sub> 40% HNO <sub>3</sub> - 30% NaOH 30% NaCL - 30% Na <sub>2</sub> CO <sub>3</sub> 30% manganese sulfide	No effect
Fire safety / degree of inflammability	B1 (DIN 4102)
Modulus of elasticity	130 t/cm <sup>2</sup>
Specific gravity	1.82gm/cm <sup>2</sup>

## Advantages

- Marmo-Labs will not swell, split, delaminate or spoil.
- Marmo-Labs are highly resistant to the corrosive effect of most laboratory chemicals and fluids.
- Marmo-Labs are extremely durable, the surface and structural hardness is comparable to natural stone.
- Marmo-Labs are suitable for laboratory working conditions.
- Marmo-Labs do not contain asbestos and are self extinguishing.
- Marmo-Labs are the most cost effective work surface system available.
- Marmo-Labs are easy to clean and maintain.
- Marmo-Labs are suitable for every type of laboratory.
- Marmo-Labs can be made in any shape or design.



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