

CONFIRMATION

MARMOX[®] MANHOLE AND GULLY COVERS + FRAME made of polymer concrete

Material: POLYMER CONCRETE

The Marmox[®] Co., ISO 9001 certified, specializes in producing heavy-duty and innovative polymeric products for the building industry, based on epoxy, polyester, acrylics and polyurethane. After a long and intensive research, the Marmox[®] Egypt Co. has developed an innovative product for manhole covers. This product is based on a newly developed high strength reinforced acrylic concrete.

Marmox[®] Manhole Covers comply with European Standard EN 124. The test are regular internally step in our production process in order to ensure the quality and safety for all our products manufactured in different sizes and types.

Advantages: POLYMER CONCRETE

1. Cost effective.
2. Reasonable weight and easy to handle.
3. No risk of theft due to low scrap value.
4. Very high impact and abrasion resistance.
5. Strong, durable and highly chemical resistant.
6. Fulfills with all standards specification requirements.
7. Standard sizes available and also customized to order.
8. Manufactured from newly developed very high strength polymeric materials.

Technical Specification: MARMOX[®] MATERIAL

PROPERTY	MEASUREMENT METHOD	VALUES	UNIT
Density	DIN 53472	2.45 (±5%)	gr/cm ³
Bending Strength	DIN 1164	300 (±5%)	kg/cm ²
Compressive Strength	DIN 1164	1150 (±5%)	kg/cm ³
Tensile Strength	DIN 53455	150 (±5%)	kg/cm ²
Modulus of Elasticity	DIN 53457	2.5 x 10 ⁵	kg/cm ²
Surface Hardness	DIN 53505	≤ 80	
Linear Thermal Coefficient of Expansion	VDE 0304/1	1.5 x 10 ⁻⁵ / 1° C	
Water Absorption	DIN 53495	< 0.1%	
Chemical Resistance		Highly Resistant	
Environmental Aspects		Environmentally Friendly	
Fire Resistance	DIN 4102	Fire Resistant (A2)	