



MASTER CHEMICALS TECHNOLOGY

MC- CORK

Self-expanding Cork

Description:

MC- Cork is composed of light-weight honeycomb structure, impermeable to liquids and gas. It is flexible and acid resistant .

Uses:

- ◆ This self-expanding cork will expand when in contact with water to provide a perfect seal. It is particularly suitable in jointing material in water retaining structures such as dams, reservoirs, sewage works, sea walls and swimming pools.
- ◆ Used for decoration in the form of wall, floor and ceiling tiles and panels
- ◆ Used for insulation and isolation of floor, ceiling, sound and heat, antistatic computer flooring and anti-vibration flooring.
- ◆ Used in steel-framed buildings as beam bearing pads that absorb movement and cut down noise transmission.

Advantages:

- ◆ **Lightness**
Cork is light and will float on water. Beneficial for buoys, floats, fishing rod handles
- ◆ **Elasticity**
the cellular membranes are flexible so that the cork and when released maintains its original form
- ◆ **Impermeability**
does not rot due to the suberin which makes the cork impermeable to gases and liquids
- ◆ **Low Conductivity**
the gaseous elements are sealed in tiny compartments insulated and separated from each other. Low conductivity to heat, sound and vibrations. One of the best insulating capacities of all natural substances.
- ◆ **Resistance to Wear**
honeycomb structure of suberose surface gives cork a high friction coefficient. Does not absorb dust, it is fire resistant

Technical Data:

Typical Values	
Density	256 Kg/m ³
Load to compress 50% of the thickness	50-1500 (psi)
Recovery minimum	90%
Boiling in HCL (1 hr)	Resist

- ◆ Tests were performed according to ASTM D 545-84 & ASTM D 1752-84 type II
- ◆ Complies with BS 1142 Part 2

*For more details contact **Master Chemicals Technology** technical department*

Or visit our website www.mc.com.eg

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