

## MARMOX G

### High Quality Composite Marble Tiles

#### DESCRIPTION :

- MARMOX G is high quality anti - static marble tiles of a composite manufacture, incorporating a chemical resistant resin mortar like facing, and polymeric cement mortar backing layer.
- MARMOX G has a completely electrically conductive body, so that with even the hardest wear over time and abrasion of the upper surface, the tile retains its electrical conductivity.

#### FIELDS OF USE :

- MARMOX G anti - static tile is an ideal floor covering for all areas which are exposed to the danger of sparks due to electrostatic charges or require conductive floor coverings such as the floors of computer rooms, hospitals, laboratories, paint mixing areas, spray painting chambers.. etc .

#### Laying Base :

- MARMOX G anti - static tiles are normally laid on a flat, and crack - free concrete layer. The concrete should be at least 28 days old, so that shrinkage is almost complete .

#### METHOD OF LAYING :

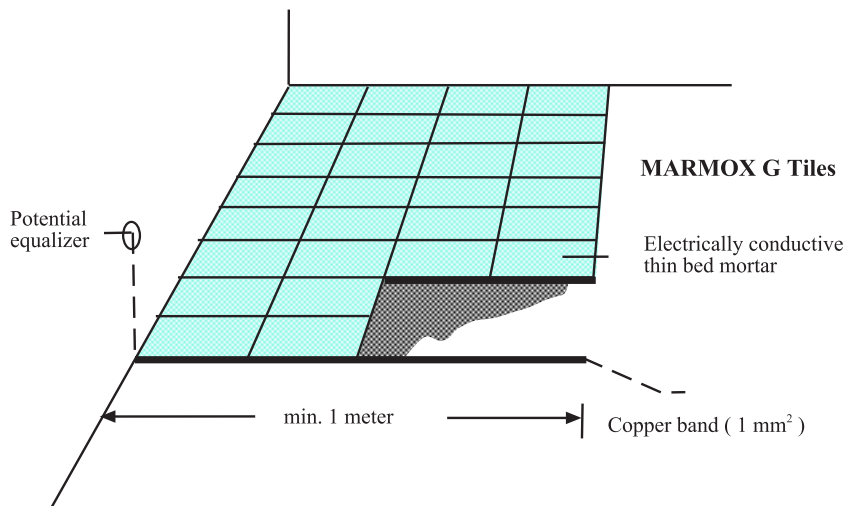
- MARMOX G anti - static tiles are laid with electrically conductive thin bed adhesive, prepared from sand, cement, water and conductive material such as graphite material .
- The laying surface should first be covered with the electrically conductive mortar of thickness not less than 6 mm .
- MARMOX G anti - static tiles are then laid in the thin bed mortar .
- Surfaces larger than 30m<sup>2</sup> should contain a potential equalizer consisting of above copper wire, above copper strand or copper tape with a cross section of at least 1 mm<sup>2</sup> and at least 1 m in length bedded into the electrically conductive thin bed mortar .

#### JOINTING :

- After sufficient drying time - 24 hours at normal temperature - the tiles can be jointed using standard commercially available wide joint compound .
- If the surface is to be exposed to light chemicals, tiles can be jointed with cold - cured resin compound - normally with an epoxy resin base, when finished, the floor covering should be left at least 28 days before exposure to full mechanical and chemical wear .

## TESTING :

The finished floor covering is tested by a testing institute to DIN 51953 .  
 " Testing the electrostatic charge leakage of floor coverings in rooms where there is a danger of explosion " - no earlier than 4 weeks after laying . A test report should be provided, with reference to DIN 51953 .



## TECIINICAL DATA :

Normal size	30 x 30 cm
Thickness	18 mm
Colour	Blue , Grey
Water absorption BS 431	Face 0.03 gm/cm <sup>2</sup> Total 3 %
Transverse strength	12.5 N/mm <sup>2</sup>
Coeff. of linear thermal exp. ASTM C 531	12.1 x 10 <sup>-6</sup> / °C
Abrasion resistance BS 813 - 3	comparable to natural marble
Fire resistance B 1	Resistant to fire
Electrical leak resistance	1 x 10 <sup>6</sup> OHM