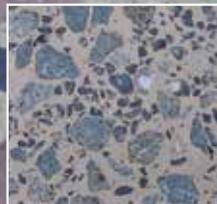


INNOVATORS IN SPECIALIST
FLOORING AND PAVING



BELL ASPHALT

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BELL ASPHALT

INNOVATORS IN SPECIALIST FLOORING AND PAVING

INTRODUCING MERAZZO, A SEAMLESS FLOORING PRODUCT, WHICH AS THE NAME SUGGESTS, HAS THE LOOK AND TEXTURE OF A TERRAZZO FLOOR FOR A HIGHLY COST EFFECTIVE, VALUE FOR MONEY PRICE.

AFFORDABLE MERAZZO FLOORING, WHICH COMBINES THE DURABILITY OF MASTIC ASPHALT WITH A CHOICE OF DIFFERENT COLOURED STONE TO GIVE AN ATTRACTIVE AND HIGHLY DECORATIVE FINISH, IS AVAILABLE EXCLUSIVELY FROM BELL ASPHALT.



VERSATILE FLOORING AND PAVING

MERAZZO IS ONE OF THE MOST VERSATILE FLOORING SYSTEMS IN THE WORLD OFFERING THE DISTINCTIVE GOOD LOOKS, STRENGTH AND COLOUR COMBINATIONS OF A TRADITIONAL TERRAZZO FLOOR WITH MANY ADDITIONAL BENEFITS.

It can be used in domestic applications, shopping malls, car park decks and much more. There is a specification for each application.

Look what you get with Merazzo:

- ◆ It is waterproof
- ◆ Flexible so will not crack
- ◆ Easy to repair and maintain
- ◆ Wide range of colour combinations
- ◆ Suitable for commercial and domestic applications
- ◆ High slip resistance even when highly polished

- ◆ Choice of finishes – matt to polished or paving application
- ◆ 60 years life expectancy
- ◆ Recyclable and sustainable
- ◆ Seamless application
- ◆ Carbon neutral installation

Finish for every design situation

Merazzo is flooring which combines different colours of mastic asphalt with a wide choice of aggregates and stone to produce a distinctive and durable surface.

There are 20 standard mixes which combine the base colours of black, brown, red, beige, yellow or blue with different coloured stones and aggregates ranging from 3mm to 20mm in size. Bespoke designs are also available.

The thickness of the floor is determined by the type of application starting from 25mm for domestic designs. The customer also chooses the choice of finish with variations from highly polished to matt.

Detailing

Merazzo is a seamless floor with all the qualities of mastic asphalt. It also means that detailing such as upstands and edging around iron works and other utilities are easy to achieve.

Maintenance

Merazzo floors are easy to maintain and will remain as good as new with regular washing with a mild detergent and colds water. It is recommended that 10% polish solution is added on a monthly basis.

In outdoor situations Merazzo flooring can be easily cleaned using a jet wash or mechanical scrubbing to remove items such as chewing gum.



MERAZZO TECHNICAL SPECIFICATION

MERAZZO HAS BEEN DEVELOPED FOLLOWING ITS SUCCESS IN EUROPE.

IT IS SUITABLE FOR INTERNAL AND EXTERNAL APPLICATIONS LARGE OR SMALL AND PROVIDES THE SPECIFIER WITH A UNIQUE OPPORTUNITY TO PROVIDE A VERY ATTRACTIVE FLOOR FINISH COMBINED WITH THE PROVEN DURABILITY AND PERFORMANCE OF A MASTIC ASPHALT FLOOR.

MASTIC ASPHALT SPECIFICATION

1. The mastic asphalt shall conform to BS.6925:1998 Type F1076 Grade 2 or equivalent current European Standard for internal applications and BS.1447.1988 or BSEN 13108-6 the current European Standard for mastic asphalt paving i.e. external applications.
2. The aggregate content required is 50 per cent irrespective of the thickness laid (please refer to later note). This shall comprise granite sizes 3mm, 6mm, 10mm, 14mm single size with the larger size aggregate but a blend of sizes is acceptable. The use of marble stone is attractive but expensive and Spanish Marble is preferred for its hardness. (Hard aggregates are essential for subsequent surface grinding).

N.B. 14mm is currently the maximum size aggregate that has been used successfully. Larger alternative aggregates may be acceptable but testing must be carried out prior to their use.

MASTIC ASPHALT APPLICATION

It is recommended that application thicknesses are as follows.

N.B.
ALL APPLICATIONS MUST BE SAND RUBBED.

Heavy Duty Areas

Lay 10mm mastic asphalt on glass fibre tissue of either flooring or roofing material. This is followed by 35mm Merazzo (flooring or paving) at temperatures up to 220 °C. The material must be laid ensuring an even spread of aggregate i.e. avoiding aggregate settlement in buckets, etc. It is advisable to use a controlled gas gun to sufficiently warm the whole face of the joint.

Please note the 35mm application allows a 5mm grinding depth; finished overall thickness 40mm.

Light Duty Floors, etc.

The overall thickness can reduce to a minimum of 25-30mm – this can be applied without an underlay of mastic asphalt but should be laid on glass fibre tissue in the normal manner – aggregate content all as above. It is essential that laying as described above is followed with particular attention being paid to bay joints being properly made.







GRINDING, SANDING & POLISHING

Merazzo can be left with a natural finish after the grinding and sanding of the fillers.

Precaution

All machines must be used with dust extractors and all operatives must wear protective clothing (boiler suits) and dust masks.

Grinding

1. The first grinding process is best achieved using tungsten turbo grinding cups as opposed to discs (please refer to details of cups/discs under “equipment required”).
2. Various grit size sanding and diamond discs may be used for final finishes.
3. The grinding operation should be carried out with an Omega 700 machine quite aggressively! Save the dust from the first grind; mix the dust with a Unibond adhesive – 50 per cent mix. Use this to trowel on to the surface filling all voids. Ensure this is worked into the surface. It is recommended that two coats are applied; the second coat being laid one hour after the first coat. The filler must then be left for a minimum of 12 hours to ensure that it is completely set before sanding.

Sanding

4. The sanding of the filled floor surface should be carried out using an FTR 410 grinding/sanding/polishing machine with 80 grit orbital pads to clear the filler from the surface. It is essential that all the voids are filled; if not, use the filler as required in the isolated areas – this will dry within an hour; re-sand the surface.
5. Vacuum all dust from the floor surface then use the FTR 410 with 100 grade grit pads to remove any surface blemishes.
6. Thoroughly wash the surface with cold water using a mild detergent then rinse and squeegee dry.

Polishing

7. The clean surface can then be polished using the FTR 410 machine with Velcro-backed 100-200 diamond pads. Lightly spray the surface with cold water to wet-polish. Squeegee in between polishing to inspect surface.
8. Thoroughly clean with cold water and squeegee surface; allow to dry completely.
9. To enhance the floor finish, apply 2 coats of Stoneglo polish with a mop applicator; allow to dry between coats. For paving or a buff finish, apply one thin coat of Stoneglo polish wiped over thinly with a fine cloth; the cloth must be just damp with the polish.



RECOMMENDATIONS

- a) Always produce a small test sample before carrying out a contract.
- b) The wet polishing described produced the best results.

FLOOR MAINTENANCE

- a) Wash floors with cold water and mild detergent.
- b) Monthly: add 10 per cent polish to plain cold water to clean.
- c) Re-polishing can be carried out if and when required.

EQUIPMENT

Omega 700 for large areas
Omega 450 for smaller areas
FTR 410 for sanding/polishing
Tungsten turbo discs
Tungsten turbo cups
80 grit sanding discs
100 grit sanding discs
100-200 Velcro diamond discs
Hand-held tools for corners and edging
Hand-held grinder
Random orbital sander

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