



# FLOORING

# flooring

## Index

|   |         |
|---|---------|
| <u>Introduction</u>   | Page 4  |
| <u>Design of floor to be asphalted</u>  | Page 4  |
| Selection parameters  | Page 4  |
| <u>Design of the base</u>   | Page 5  |
| General   | Page 5  |
| Concrete bases  | Page 5  |
| Screeds   | Page 5  |
| Timber floors   | Page 6  |
| Table 1 - Classification of surface<br>regularity of direct finished base<br>slab or screed | Page 6  |
| <u>Mastic asphalt flooring</u>  | Page 6  |
| General   | Page 6  |
| Grade I - Special hard flooring   | Page 6  |
| Grade II - Light duty flooring  | Page 7  |
| Grade III - Medium duty flooring  | Page 7  |
| Grade IV - Heavy duty flooring  | Page 7  |
| Table 2 - Grades and thicknesses of<br>mastic asphalt for underlays and<br>wearing surfaces | Page 8  |
| Table 3 - Susceptibility of mastic asphalt<br>floors to chemical and<br>temperature attack  | Page 9  |
| Mastic asphalt flooring/waterproofing   | Page 10 |
| Drainage of floor areas   | Page 10 |
| Effects of temperature  | Page 10 |
| Regulating courses  | Page 10 |
| <u>Special applications</u>   | Page 10 |
| General   | Page 10 |
| Chemical & acid resisting flooring  | Page 11 |
| Spark resistant flooring  | Page 11 |
| Postal sorting office flooring  | Page 11 |
| Plant room floors and tank room floors  | Page 11 |
| Oil resisting flooring  | Page 11 |
| Flooring for unheated buildings   | Page 11 |

# FLOORING

## Detail considerations

|   |         |
|---|---------|
| Surface finish  | Page 12 |
| Separating membranes  | Page 12 |
| Preparation of sloping & vertical surfaces to provide a key | Page 12 |
| Thermal and sound insulation                                | Page 12 |
| Movement joints   | Page 12 |

## Tolerances on finished mastic asphalt flooring

|  |         |
|--|---------|
| General  | Page 13 |
| Departure from the datum   | Page 13 |
| Surface regularity   | Page 13 |
| Table 4 - Classification of surface regularity for mastic asphalt flooring | Page 14 |
| Mastic asphalt underlay to other floor finishes                            | Page 14 |

## Site work

|   |         |
|---|---------|
| Work planning                             | Page 14 |
| Preparatory site work prior to asphalting | Page 14 |
| Achieving required quality of work        | Page 15 |
| Documentation and preparation             | Page 15 |
| Receiving and checking materials          | Page 15 |

## Workmanship

|                                    |         |
|------------------------------------|---------|
| Remelting                          | Page 15 |
| Transport of molten material       | Page 16 |
| Setting out                        | Page 16 |
| Placing the separating membrane    | Page 16 |
| Laying the mastic asphalt flooring | Page 16 |
| General                            | Page 16 |
| Horizontal work                    | Page 16 |
| Junctions                          | Page 16 |
| Skirtings                          | Page 17 |
| Cove or angle fillets              | Page 17 |
| Achieving a sand rubbed finish     | Page 17 |
| Achieving a natural float finish   | Page 17 |

## Testing the surface

|                           |         |
|---------------------------|---------|
| Slip resistance           | Page 17 |
| Table 5 - Slip resistance | Page 17 |



flooring

## Maintenance and repair

Page 18

Cleaning and polishing

Page 18

Repair of mastic asphalt flooring

Page 18

## Typical specifications

Page 19

- 1) Mastic asphalt flooring with skirting board Page 19
- 2) Mastic asphalt flooring with decorative sheet or tile finish and skirting board Page 19
- 3) Mastic asphalt flooring overlaid with wood block finish Page 20
- 4) Mastic asphalt flooring with ceramic tile finish Page 20
- 5) Mastic asphalt flooring and skirting to tiled shower baths or similar Page 21
- 6) Mastic asphalt flooring with mastic asphalt skirting Page 21
- 7) Mastic asphalt flooring to plant rooms and tank rooms Page 22
- 8) Mastic asphalt flooring to drainage channels with light duty gratings Page 22
- 9) Mastic asphalt to heavy duty drainage channels Page 23

# FLOORING

