

MS - AD - MasterSeal M 338 - 07/2021

THIS METHOD STATEMENT COVERS PREPARATION AND APPLICATION OF **MasterSeal M 338**, WATER BASED, RIGID EPOXY COATING FOR WATERPROOFING AND PROTECTION OF CONCRETE ELEMENTS.

METHOD STATEMENT: MasterSeal M 338

1. PREPARATION:

- 1.1. All surfaces new or old should be free from oil, grease, friable matter and general curing compounds (wax-based curing membranes shall not be used in areas to be over coated).
- 1.2. Precast elements should have a surface temperature not exceeding +35°C at the time of application.
- 1.3. The surface to be coated should be lightly brushed with a soft broom head to remove any loose particles etc.

2. TEMPERATURE CONDITIONS:

- 2.1. MasterSeal M 338 shall be used when the ambient temperature is above 10°C.
- 2.2. Substrate temperatures should not be less than 10°C. In hot weather areas, to be coated shall be shaded from direct sunlight to prevent the substrate temperature exceeding +50°C.
- 2.3. Coating shall not be applied if the humidity is likely to rise above RH 85% or the dew point is reached before or during the application.

3. MIXING:

- 3.1. The total contents of the Part B shall be poured into the Part A and mixed, using a slow speed drill with suitable mixing attachment. Mixing time (max. 400 rpm) shall not be less than 3 minutes until a uniform colour is achieved.
- 3.2. Care shall be taken to insert the mixing head slowly into the base material due to the high viscosity of the resin.

4. APPLICATION:

- 4.1. Application shall be by brush, short hair roller or airless spray.
- 4.2. Suitable airless spray equipment includes Graco, Wagner HC 950 or similar fitted with a 19-23 thou spray nozzle. Site trials must be conducted to confirm performance of spray equipment in terms of wet film thickness and overall finish.
- 4.3. Using a single coat application ensure that the material is applied giving total coverage of the prepared area and to a minimum wet film thickness of 300 to 500 microns.
- 4.4. Use of a multiple coat application would be recommended where possible as it reduced the risk of pin holes being present in the final coating.



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- 4.5. When using a multiple coat option, the initial coat should be to a minimum wet film thickness of between 300 to 500 microns.
- 4.6. The second (final) coat would be applied as soon as the initial coat is touch dry (±60 -90 minutes climate dependent) and would be applied to a wet film thickness of between 150 to 270 microns.
- 4.7. Upon completion of the application the coating should remain totally undisturbed for at least 4 hours, after which time the elements can be handled / moved.

Recommended Application Rates:

Single coat application as detailed above provides a DFT of approximately 160 to 270 microns. Single layer application: 380 - 630 g/m² Double coat application as detailed above provides a DFT of approximately 240 to 420 microns.

Double layer application: 1st layer: 380 - 630 g/m² 2nd layer: 190 - 340 g/m²

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