

Micros surfacing bitumen emulsions (AC-E1) & (AC-E2)

| PROPERTY | AC-E1 (Overlay) | AC-E2 (Rut-filling) | TEST METHOD |
|---|--------------------------|--|-----------------------|
| 1) Modified binder content % m/m | 62 – 65 | 62 – 65 | MB – 22 |
| 2) Residue on sieving g/100 ml – Max. 710 μ m sieve 150 μ m sieve | ≤ 0.1 ≤ 0.5 | ≤ 0.1 ≤ 0.5 | MB – 23 MB – 23 |
| 3) Particle charge | Positive | Positive | MB – 24 |
| 4) Sedimentation after 60 rotations | Nil | Nil | SANS 4001 BT- 3 (5.6) |
| PROPERTIES OF RECOVERED BINDER RESIDUE MB 20 | | | |
| 5) Softening point °C - Min. | ≥ 48 | ≥ 55 | MB – 17 |
| 6) Elastic recovery @ 15°C, % min | ≥ 50 | ≥ 55 | MB – 4 |
| 7) Application temperatures | | Temperature ranges for slurry sealing: 10°C to 35°C. At lower temperatures cutters might be needed. | |
| 8) Uses | | Micro surfacing, Rut filling, texture Corrections, overlays | |
| 9) Cleaning and handling | | Refer Safety data sheets: | |

Product information:

- **Ideal break time is:** 90-120 seconds. This time frame may be different if the defining agency, client and equipment dictate otherwise (Depending on climatic conditions).
- **Emulsion Temperature:** Should be within 40°C of the application temperature. Premature breaking and poor adhesion will result if the emulsion is much warmer than the aggregate temperature. (continue page 2)

NOTE : This data is issued as a guide to the use of the product(s) concerned and whilst every effort is made to ensure the accuracy of the text which is in accordance with the latest technical developments, we cannot accept responsibility for any work carried out with our materials as we have no control over the method of application used or condition of site involved. In view of the constant research and development being undertaken in our laboratories we advise customers in their own interest to ensure that this data sheet has not been superseded by a more up-to-date publication. All products are sold subject to our standard conditions of sale which are available on demand.



(Pty) Limited

PRODUCT SPECIFICATIONS

- **Compaction:** Imperative to drive all water out of the mix in order to achieve maximum cohesion and eliminate water entrapment. Open surface to rolling traffic as soon as it is ready.
- **Night Work:** The absence of sunlight requires you to apply the mix as dry and fast as possible.
- **Service Life:** AC-E1 and AC-E2 will be in service for more than 10 years if a high quality aggregate is used (hard, strong, well crushed). These products will not prevent cracking caused by a poor base condition. AC-E1 and AC-E2 is not intended to be used on parking lots.
- **Crusher dust:** All aggregate needs to be evaluated by the Tosas laboratory prior to contract.

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