

Ralumac is an micro surfacing modified bitumen emulsion modified used for texture corrections or overlay's (AC-E1)

PROPERTY	AC-E1 (Overlay)	TEST METHOD
1) Modified binder content % m/m	62 – 65	MB – 22
2) Residue on sieving g/100 ml – Max. 710 μ m sieve 150 μ m sieve	≤ 0.1 ≤ 0.5	MB – 23 MB – 23
3) Particle charge	Positive	MB – 24
4) Sedimentation after 60 rotations	Nil	SANS 4001 BT- 3 (5.6)
PROPERTIES OF RECOVERED BINDER RESIDUE MB 20		
5) Softening point $^{\circ}$ C - Min.	≥ 48	MB – 17
6) Elastic recovery @ 15 $^{\circ}$ C, % min	≥ 50	MB – 4
7) Application temperatures		Temperature ranges for slurry sealing: 10 $^{\circ}$ C to 35 $^{\circ}$ C. At lower temperatures cutters might be needed.
8) Uses		Ralumac is a micro surfacing system, improving the road texture of an existing road surface. Ralumac can be applied in a single pass between 5 - 20 mm on municipal or residential streets, highways and airports carrying a wide range of traffic.
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). (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undertaken in our laboratories we advise customers in their own interest to ensure that this data sheet has not been superseded by a more up-to-date publication.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.

Revised by: J. Van Heerden

Approved by: J. Muller

Date: November 2017

- **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.
- **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.
- **Crusher dust:** All aggregate needs to be evaluated by the Tosas laboratory prior to contract.
- **Service Life:** Ralumac will be in service for more than 10 years if a high quality aggregate is used (hard, strong, well crushed). Ralumac will not prevent cracking caused by a poor base condition. Ralumac is not intended to be used on parking lots.

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.

Revised by: J. Van Heerden

Approved by: J. Muller

Date: November 2017