

THIS METHOD STATEMENT COVERS THE PREPARATION AND APPLICATION OF **WABOCRETE II AE**.

IT IS RECOMMENDED THAT THE FOLLOWING WORK IS CARRIED OUT IN THE SEQUENCE GIVEN TO ENSURE CORRECT AND TROUBLE-FREE APPLICATION FOR THE IMMEDIATE USE AND FUTURE PERFORMANCE OF THE PRODUCT.

## **METHOD STATEMENT: WABOCRETE II AE**

### **1. SUBSTRATE PREPARATION:**

- 1.1. Laitance, loose concrete and broken concrete must be removed prior to the application of the **WABOCRETE II**.
- 1.2. Chipped and broken Asphalt at the edge of the block-out must be completely removed prior to application of **WABOCRETE II AE** so that it adheres to sound monolithic surfaces. Any hairline cracks in the Asphalt within 200 mm from the block-out must be cut out and removed.
- 1.3. The block-out and surrounding surfaces must be dry. All surfaces to come into contact with the **WABOCRETE II AE** MUST be primed with **MasterEmaco P 102** epoxy primer.
- 1.4. The edges of the block-out and any other elements in the expansion joint must be protected with a wooden board on the top (to prevent accidental Asphalt spalling). Cover the surrounding area and horizontal faces of the expansion joint with plastic sheeting and masking tape to prevent any spillage onto the finished surfaces
- 1.5. The surface of the bedding mortar / bridge nosing that is to receive the **WABOCRETE II AE** must be mechanically roughened and cleaned to create a “key” and be dust -free and dry.
- 1.6. Ensure the sawn vertical face of the asphalt is clean – (wire brush if necessary) and thoroughly clean the vertical edge of the expansion joint itself to remove any release agent film etc. Wire brush / coarse grit sandpaper followed by a solvent wipe.
- 1.7. Mix the two components of the **MasterEmaco P 102** epoxy primer thoroughly and apply to the clean dry and roughened surfaces using a short-bristled paint brush to provide an even but thin film to all surfaces.
- 1.8. Allow the applied epoxy primer (**MasterEmaco P 102**) to become tacky to the touch (30 - 60 minutes after application, depending upon ambient temperature.
- 1.9. Prepare the mixing area with plastic sheeting on the floor to prevent any spillage etc. from contaminating the asphalt, etc.
- 1.10. Mask-off the surface of the expansion joint and asphalt using plastic sheeting and tape.
- 1.11. Mix complete units of **WABOCRETE II AE** base (Part A), reactor (Part B) and aggregate (Part C).  
**No partial mixing is allowed.**
- 1.12. Use a low speed high torque mixing drill with a strong mixingpaddle (Collomix DLX mixing head or similar).

- 1.13. Total time from mixing one unit of **WABOCRETE II** to applying it in its final position **NOT TO EXCEED 3 MINUTES**. This is made up of 90 seconds of mixing all components and 90 seconds **MAXIMUM** of application as described below.

## 2. MIXING AND APPLICATION:

**Ensure applied primer is still tacky before continuing.**

- 2.1. Open one unit of base (Part A), one unit of reactor (Part B) and one unit of aggregate (Part C).
- 2.2. Remove the bag of aggregate (Part C) from the mixing bucket in which it is supplied.
- 2.3. Pre-mix reactor (Part B) in its container to ensure all pigment etc. is fully suspended. Use a smaller diameter mixing head to fit the container.
- 2.4. Empty one unit of base (Part A) and reactor (Part B) (after pre-mixing) into the mixing bucket and mix with the drill for 30 seconds.
- 2.5. Add aggregate (Part C) into the mix immediately and mix for a further 60 seconds. Mix thoroughly using a slow speed heavy duty mixer and suitable mixing head (Collomix DLX mixing head) to ensure complete and homogeneous mixing without the introduction of excessive air.
- 2.6. **Do not mix (total mixing operation) for more than 90 seconds.**
- 2.7. Apply the mix into the block out with a minimum of trowelling as it is self-levelling. Do not scrape loose **WABOCRETE II** spilled outside the block out as it will present a weak bond and will delaminate. Any spillage outside the block out should be discarded.
- 2.8. Apply the mixed **WABOCRETE II** to the block out within 60 seconds of finishing the mixing i.e. the whole operation is about speed, everything must be done **FAST**.
- 2.9. Use a steel trowel wetted with a solvent such as MEK / Acetone / Xylene solvent in order to smooth down the surface without the material sticking to the trowel.
- 2.10. Due to the speed of application, you will need a crew of at least 5 people for one application operation, 2 suitable mixers and it is recommended to carry out this work in the relative coolness of the evening
- 2.11. **WABOCRETE II AE** can be placed in a single continuous strip without the need for any stop- ends etc.

**NOTE: WABOCRETE II AE should be stored in a/c cooled container on site (during summer months) and only removed when it is required. Do NOT leave it exposed on site to “pick-up” heat as this will greatly reduce the working time of the material once mixed.**



MS - AD - Wabocrete II AE + Primer - 08/2019

---

#### **STATEMENT OF RESPONSIBILITY**

The technical information and application advice given in this Master Builders Solutions publication are based on the present state of our best scientific and practical knowledge. As the information herein is of a general nature, no assumption can be made as to a product's suitability for a particular use or application and no warranty as to its accuracy, reliability or completeness either expressed or implied is given other than those required by law. The user is responsible for checking the suitability of products for their intended use.

---

#### **NOTE**

Field service where provided does not constitute supervisory responsibility. Suggestions made by Master Builders Solutions either orally or in writing may be followed, modified or rejected by the owner, engineer or contractor since they, and not Master Builders Solutions, are responsible for carrying out procedures appropriate to a specific application.

---