

Method Statement for Vinyl acetate co polymer Based Bonding Agent for Concrete BC Bond XP

1. Purpose

To outline the procedure for the application of PVA emulsion-based bonding agent BC Bond adhesive to enhance adhesion between concrete surfaces.

2. Scope

This method statement covers the application of the bonding agent on existing concrete surfaces prior to the placement of new concrete or overlays.



3. Materials

PVA Emulsion-Based Bonding Agent: BC bond XP .
Water: Clean and potable.
Clean Rags and Brushes: For surface preparation and application.

4. Equipment

Mixing container
Paint roller or brush
Pressure washer (if necessary)
Protective equipment (gloves, goggles, masks)

5. Preparation

Surface Cleaning:
Remove all dirt, oil, grease, and loose debris from the concrete surface.
Use a pressure washer if necessary to ensure a clean surface.
Allow the surface to dry completely.

Surface Assessment:

Inspect the surface for cracks, spalling, or other defects. Repair any issues before applying the bonding agent.

6. Mixing

Preparation of Bonding Agent:

If the bonding agent requires mixing with water, follow the manufacturer's instructions carefully.

Mix thoroughly to achieve a homogeneous consistency.

7. Application

Application Method:

Use a roller or brush to apply the bonding agent evenly onto the prepared concrete surface.

Ensure complete coverage without pooling or excess application.

Coverage:

Adhere to the manufacturer's guidelines regarding coverage rates (typically around 200-300 sq. ft. per gallon, depending on surface texture).

Drying Time:

Allow the bonding agent to dry as per manufacturer's recommendations (usually 1-2 hours but may vary).

Second Application (if needed):

For highly porous surfaces, a second coat may be applied after the first coat has dried.

8. Quality Control

Monitor the application process to ensure even coverage and correct drying times.

Conduct a visual inspection after application to confirm that no areas are missed or over-applied.

9. Health and Safety

Use appropriate personal protective equipment (PPE) such as gloves, goggles, and masks.

Ensure proper ventilation in enclosed spaces during application.

Follow the manufacturer's safety data sheet (SDS) for specific handling and storage requirements.

10. Cleanup

Clean tools and equipment with water before the bonding agent dries.

Dispose of any waste materials according to local regulations.

11. Documentation

Keep records of the materials used, application dates, and any issues encountered during the process for future reference.

12. Review and Approval

This method statement should be reviewed and approved by the project manager and safety officer before implementation.

Conclusion

The use of an acrylic emulsion-based bonding agent is essential for ensuring the durability and strength of concrete applications. Following this method statement will help in achieving optimal results while maintaining safety and quality standards.