

WEBAC 4110 / 4111

SUPER LOW VISCOSITY INJECTION RESIN FOR STRUCTURAL REPAIR A PRODUCT OF THE WEBAC 4000 EPOXY LINE

TYPE OF MATERIAL

WEBAC 4110 / 4111 SLV is a 100% solids (solvent free), high modulus, non-shrink two component epoxy injection resin with outstanding features. WEBAC 4110 is drinking water contact approved by the Hygiene Institute Germany.

- Super Low Viscosity
- Cures at Low Temperatures
- High Strength

RANGE OF APPLICATION

- Hairline Crack Injection
- Welding Cracked Concrete
- Bolt Grouting
- Plate Grouting
- Delaminated Slab Welding
- Repairing Wood Beams

WEBAC 4110 / 4111 SLV is designed for the injection of fine and hairline cracks and voids in concrete. The resin is formulated with extremely low surface tension to allow minimum surface resistance during the injection process. Due to the low viscosity of the material excellent penetration is achieved even at lower injection pressures. WEBAC 4110 / 4111 SLV has superior water displacing properties and bonds well in moist conditions. The advanced formulation of the resin allows application at temperatures as low as 39 F or 4 C.

Due to the high tensile and compressive strength of the cured product, WEBAC 4110 / 4111 SLV is ideal for structural repair.

WEBAC 4110 / 4111 SLV is a product of the WEBAC epoxy injection resin line and to achieve best results a combination of several products may be recommended in some applications.

PROCESSING

WEBAC 4110 / 4111 SLV is composed of two components. The mixing ratio by volume is 2:1 (A:B). WEBAC 4110 / 4111 SLV may be filled with additives, such as silica flour, sand or thixotropic fillers. A mixing ratio of 1:1 (WEBAC 4110 / 4111 SLV : Additives) should not be exceeded. Physical properties of the modified product may change.

WEBAC 4110 / 4111 SLV can be processed with single component equipment but two component equipment is recommended for extensive injection work. The gel time of premixed material is determined by the quantity of the batch and the temperature. Since the reaction of the epoxy resin produces heat, a large batch is likely to react much faster than a small quantity of material. This fact should be closely observed by the user of single component equipment to prevent premature reaction in the pump and grout line system. If reaction of the batch occurs while pumping, immediately shut down the machine and flush with a cleaner to avoid built up and clogging of the equipment. The resin should not be processed at temperatures below 4 C (39 F).

MAINTENANCE OF EQUIPMENT

Remove all excess sealant and any smears. Tools and mixing equipment are best cleaned immediately after use. WEBAC provides R70 Pump Flush, a solvent free, non-flammable, non-hazardous cleaner. Xylool, Toluol, Acetone and M.E.K. can be used if not in conflict with regulations on jobsite. Circulate cleaner through pump for several minutes. Caution! Some cleaners are combustible.

PRECAUTION

While working with WEBAC materials safety goggles, gloves and safety clothing should be worn at all times. Also observe container labels, MSDS, and instructions in the WEBAC Product Catalog. In case one of the components comes in contact with the skin, wash thoroughly with soap and water. Adequate ventilation in volume and pattern should be provided in working area. Further protection: emergency showers and eyewash stations.

STORAGE

Good storage stability of unopened containers at temperatures between 15 - 30 C (58 - 85 F). Store indoors.

TECHNICAL DATA

Technical Data will be made available upon request.

WEBAC 4110 IS A STANDARD PRODUCT IMMEDIATELY READY TO BE SHIPPED.

WEBAC 4111 IS A SPECIAL ORDER PRODUCT. MINIMUM QUANTITIES APPLY.