

High Strength Non-shrink Grout

Foundation Preparation

Clean the surface of the equipment foundation, ensuring there are no loose stones, floating slurry, dust, oil stains, or release agents. Soak the foundation surface 24 hours before grouting. One hour before grouting, remove any accumulated water.

Determining the Grouting Method

Choose the appropriate grouting method based on the actual conditions of the equipment base. Due to its excellent flowability, "self-weight grouting" is usually sufficient, where the grout is simply poured into the formwork opening and spreads by its own weight to fill the entire space. For large areas, complex structures, or small spaces far from the opening, "high-position funnel grouting" or "pressure grouting" may be used to ensure the grout fills all corners.

Formwork Setup

Set up the formwork according to the determined grouting method and grouting construction plan. The top of the formwork should be at least 50 mm higher than the upper surface of the equipment base. The formwork must be tightly sealed and stable to prevent loosening or leakage.

Mixing of Grout

Determine the water-to-powder ratio according to the product's certificate. Use drinking water with a temperature range of 5-40° C. You can use either mechanical or manual mixing. With mechanical mixing, mix for about 1-2 minutes. For manual mixing, initially add 2/3 of the water and mix for 2 minutes, then add the remaining water and continue mixing until homogeneous. The standard water-to-powder ratio is 12%-14%.

Grouting

For long equipment or track foundations, grout in sections. Once grouting begins, it must be continuous without interruption, and the grouting time should be kept as short as possible.

Curing

After the floor surface is finished, apply film curing or use a recommended curing agent.