

Fixation of shallow bases (fittings) Cable conduit below runway

- quick guide -



1. Preparation

- Drill borehole
- Drill inner hole to find conduit pipe in the center of the hole
- Remove cores
- Keep free of all loose material, stones, dust and dirt. Make sure that no stagnant water stays inside the drilling hole. Light moisture (damp) is acceptable.
- Close the inner hole with a foam or protect it with a short plastic tube to ensure that the bedding mortar can be installed around the inner hole with no material flowing into it or clogging it

2. Embedding of shallow base

2.1 Priming

- Product: **cds-Adhesive**
- Mix components (resin and hardener) in accordance with manufacturer´s instructions
- Prime with a brush the ground and the lower parts of walls of hole about 3 cm high

2.2 Embedding

- Product: **cds-Mortar 0-3 L flex special**
- Mix components (resin and hardener) in accordance with manufacturer´s instructions
- Apply mortar on the bottom of the borehole about 3 cm high. Make sure to work "wet-in-wet" – which means that the mortar needs to be applied on the still fluid, sticky primer
- Embed shallow base by pushing it into the mortar approx. 1 cm. Align shallow base. Make sure that it is aligned with the light beam direction indicated by the field survey engineer before.

3. Fixation of shallow bases

3.1 Grouting in concrete

- Product: **cds-Pouring Concrete UW / cds-Pouring Concrete UW rapid**
- Protect the shallow base against floating-up with either the drilling core or other weights
- Let the mortar start to get dry before applying the sealant (depending on the hardener used and the outside temperature between 0.5 and 1.5 h)
- Mix components (resin and hardener) in accordance with manufacturer´s instructions
- Carefully pour mixed material into the gap around the shallow base up to about 2 cm below the final level. Only pour the material from one place into the gap, not circling around the shallow base. Material is self-leveling. After 1-2 hours fill the remaining space to the final level*

* In regions with high temperature differences fill the remaining space to the final level with **cds-Cable Joint-Filler**

3.2 Grouting in asphalt

- Product: **cds-Pouring Concrete UW flex**
- For installation: same applies as under 3.1 "Grouting in concrete"

For detailed information on the products, curing times and conditions of use please refer to the technical data sheets