



# Installation procedure for grouting of ERNI and ADB bases at Changi Airport using weber.tec grout FG TG



**SAINT-GOBAIN**

CONSTRUCTION PRODUCTS

# Preparation

The success of any good installation is based on the correct preparation of the substrate into which the light base is grouted.

- The substrate must be sound and free of any cracking in the asphalt
- Substrate must be clean and dry
- Must be within the design set out by CAG
- The connecting wires must not be more than 150 mm below the surface level and embedded within the concrete plinth
- The installation should be carried out by skilled and experienced operatives.

# Marking out



The diameter of the core hole is clearly set out



The lug is set out and adjacent core marking



Initial coring to mark out the core diameter



A metal case is placed in position and sealed to allow wet coring

# Removal of asphalt core



Core depth should be 100mm to expose concrete plinth



A jack hammer is used to break out the concrete and expose the cables



Cable is exposed and depth measurement is taken

# Forming the Lug



Angle grinder is used to mark out area



A jack hammer is used to break out the asphalt

# Cleaning the area



A vacuum is used to remove all debris and ensure the surface is dry, the exposed area should be level to maintain depth of 150mm maximum



# Exposing the cable rope



The tape protecting the cable end is cut



The cable rope is then pulled through



A ridged connector is fitted to cable



The cable is then connected to the base and placed in position with the jacks note the gap under the base

# weber.tec grout FG tropical grade



The product is supplied in a 22.5 kg pack (gross weight) and yields 12 L of mixed grout

Pack consists of three components

- Tin of resin
- Bag of filler
- Small bag of activator



Mixing and health and safety instruction are clearly shown on one side of the pack



Components are placed on a ground sheets during mixing to protect the asphalt surface from spillage



The Resin is poured into a clean mixing bucket



Activator is then added to the Resin and mixed with a slow speed drill for approximately 1 minute



Filler component is then added to the mixed Resin and Activator



Filler component is then mixed to the Resin and Activator



The mixed grout should be then poured  
via the lug opening



Pour the grout into position filling all areas under and around the base up to approx. 50mm from the top surface



The grout should be checked during pouring to ensure it flows under and up the sides of the base





The grout is then topped up to the level of the surrounding Asphalt and allowed to set



Once the grout has set the light section can be fitted and bolts tightened