

INSTALLATION GUIDE



1. Mark the entry points as specified by the engineer and drill to the correct depth and diameter using either a core drill or an SDS Max rotary hammer to the specified diameter pilot hole size.



2. Ensure all drill dust and drill debris is removed from the pilot holes using a suitable air pump.



3. For short anchors, lightly spray the drilled pilot hole with clean water to maximize grout adhesion and facilitate a gradual and even grout cure. (Long anchors to be primed with water after assembly and insertion in the wall system).

4. Screw the blanking plug and washer into the end of the last HDS anchor until it bottoms and is snug tight. Couple together the standard 6", 10", 20", or 40" lengths together till they reach the specified length. Insert the assembled anchor into the drilled hole.



Note: do not force or twist the anchor as it is being pushed in to prevent damage to the fabric sock material.

5. Once the required depth is achieved, attach the supplied hose from the HDS Anchor Component Kit to the exposed end. Once all anchors are installed, mix the grout.



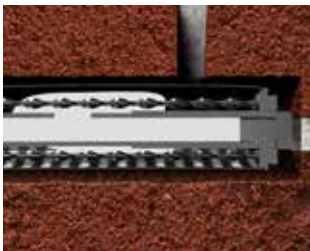
6. To mix the grout, add the appropriate amount of water first, then the powder and mix well using a paddle, until a very fluid but creamy uniform consistency is created. Always maintain the correct working ratio, as per the manufacturer's instructions. (6-7 liters maximum of water for each 20kg (44 lb) bag).



7. Pour the mix into a pressure pot or appropriate grout gun. Set the maximum pressure to 44 psi.



8. Once ready to fill, slip a clamp from the HDS Grout Fill Kit over the exposed hose, then push fit the provided pipe into the open end and proceed with pumping.



9. The HDS Sock Anchor system is back-filled, expanding the reinforced mesh sock to completely fill any voids, providing a permanent cementitious fixing to the surrounding masonry.



10. When the sock has been fully inflated, milk grout gently runs from the anchor indicating that it's full.



11. Maintaining the pressure at this stage forces the milk grout further into the surrounding material and minimises shrinkage. As it cures, the high performance grout firmly secures the helical bars and structural core tubing to create a single structural entity that resists shear, compressive, and tensile forces.



12. After a few minutes, fasten the clamp before turning off the compressor. It is advisable to remove the hose from the threaded tube 2-3 hours after installation. Wash any excess grout off with clean water, then fill the holes with a color matched mortar or other specified patching compound.