

Installation Guideline



DirectFix Roof Console on Steel Deck



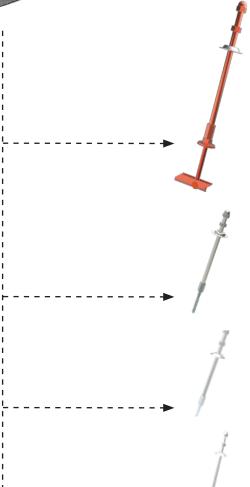


Current Anchor/Product Overview



Tagkonsol DirectFix

#220062-1xx 1 layer of bitumen #230062-1xx 2 layers of bitumen #220062-2xx folie (pvc, fpo, tpo etc.)



Trapez Anchor DirectFix

#210074-250 Trapez Anchor #210074-500 Trapez Anchor #210074-700 Trapez Anchor #210074-1000 Trapez Anchor

Wood Anchor DirectFix

#210073-250 Wood Anchor #210073-500 Wood Anchor #210073-700 Wood Anchor #210073-1000 Wood Anchor

Concrete Anchor DirectFix

#210072-250 Concrete Anchor #210072-500 Concrete Anchor #210072-700 Concrete Anchor #210072-1000 Concrete Anchor

Light Concrete Anchor DirectFix

#210075-250 Light Concrete Anchor #210075-500 Light Concrete Anchor #210075-700 Light Concrete Anchor #210075-1000 Light Concrete Anchor



Seal For Leveled Vapor Barrier

#250053



Tools and symbol overview

The following list presents the necessary tools for performing an efficient and correct installation of the Roof Console on warm trapeziodal roof



Drilling Machine



Insulation Cutter (Ø40x200 #250103, Ø40x300 #250094)



Position Spear (Ø8x1000 #250092)



Trapez Drill (Ø25/Ø40x400 #250096)



Ruler or similar



19 mm Socket on drilling machine



19 mm Wrench



Grinder



Bitumen: Gas Torch



Roofer knife or similar



Manual handling



Tightening operation (clock wise rotation)

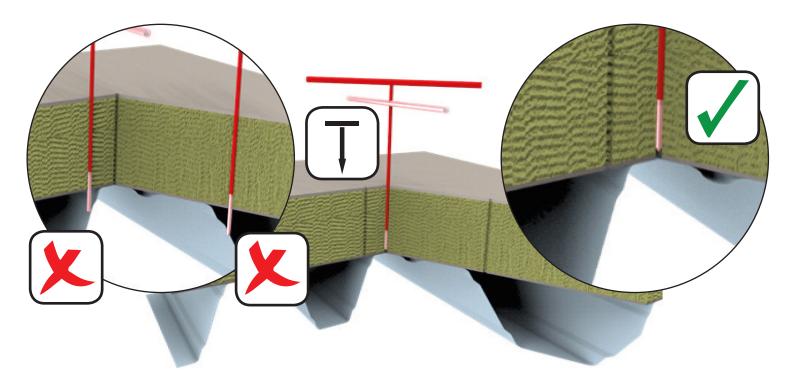


Loosening operation (anti clock wise rotation)





1. Anchor Positioning

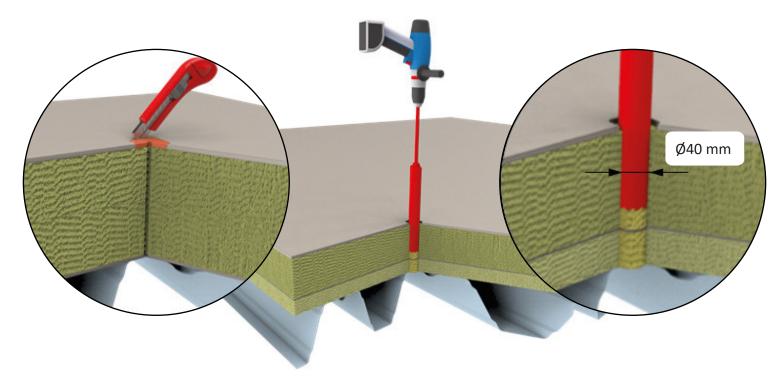


To reach a correct anchor position relative to the steel deck corrugation, the specific location for the top flanges must be pin pointed. The precondition is that the lines of the corrugation is known and the process is therefore about locating the middle of the top flange. The method is to pierce a Position Spear through the membrane until it reaches the steel deck. The specific depth is noted and the process is repeated until the middle postion of the top flange is clear.

Notice!! that each of the postion piercings are located underneath the integrated membrane on the Roof Console and will therefore be sealed once the membrane is torched or welded.



2. Insulation Core Drilling



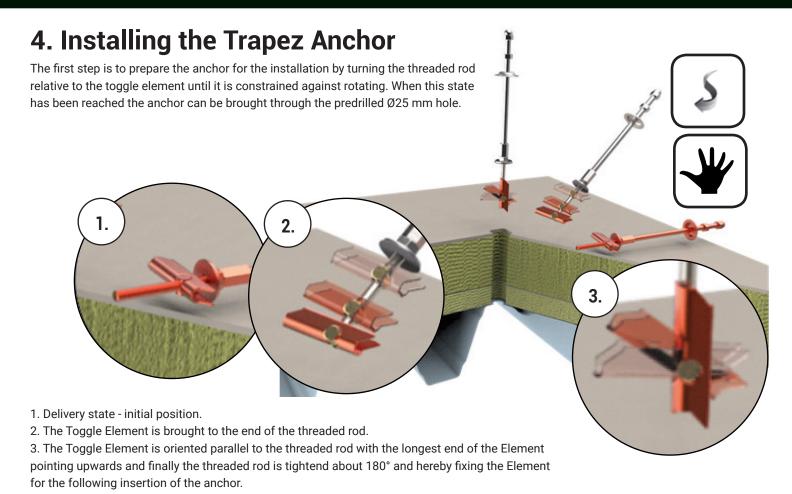
3. Ø25 mm Trapez Anchor Hole Drilling

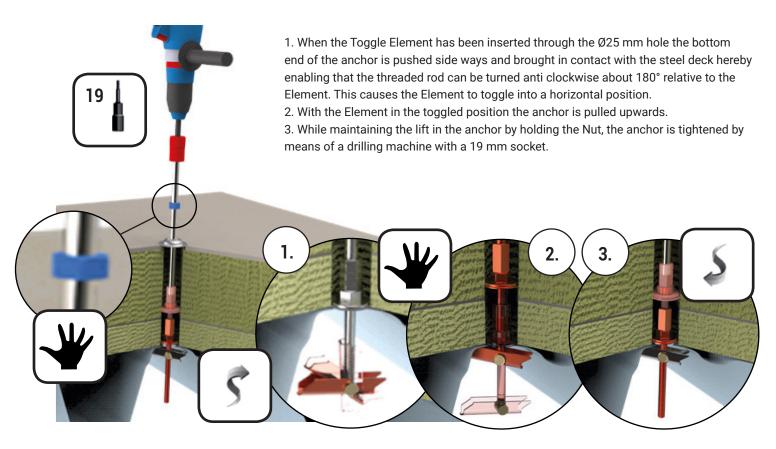


After the Ø40 mm insulation core has been removed the steel deck can be seen and the Ø25 mm hole necessary for the installation of the Trapez Anchor can be drilled while paying attention to ensuring a concentric positioning relative to the Ø40 mm hole.



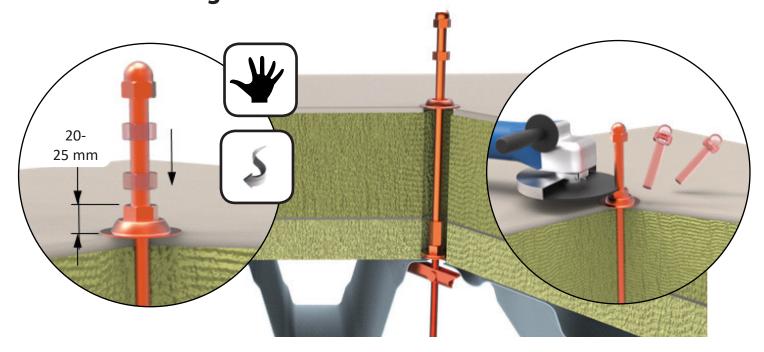




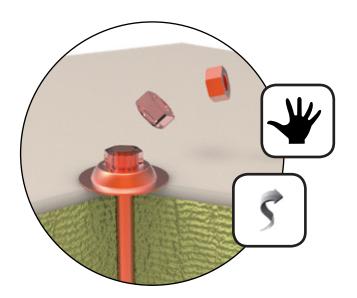




5. Anchor Cutting



The Nut is turned downwards until it engages and aligns with the hex form of the distance washer, and the top surface of the Nut is used as the cutting surface when cutting the threaded rod.

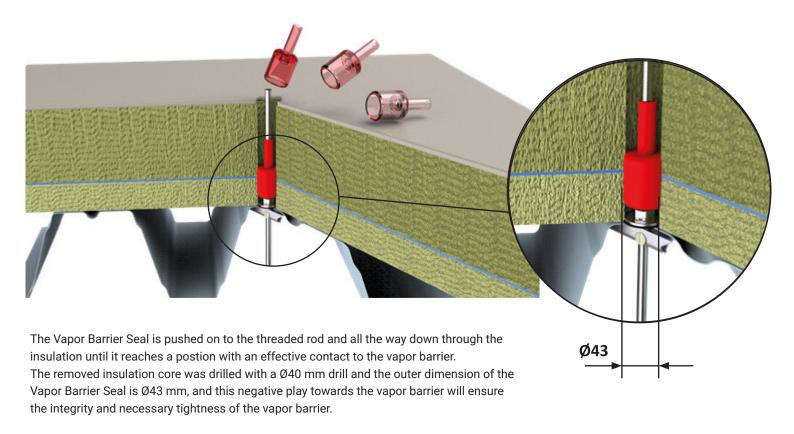




At this point the Nut and the Distance Washer is removed and the anchor is now ready for the following installation of the vapor barrier seal (Only in case of construction with leveled vapor barrier).

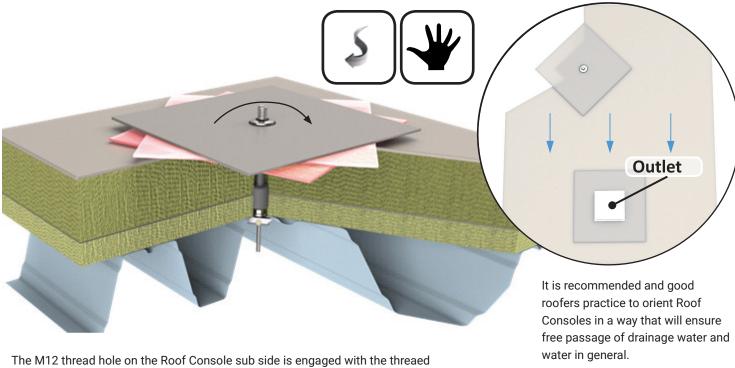


6. Installation of the Seal for Leveled VCL

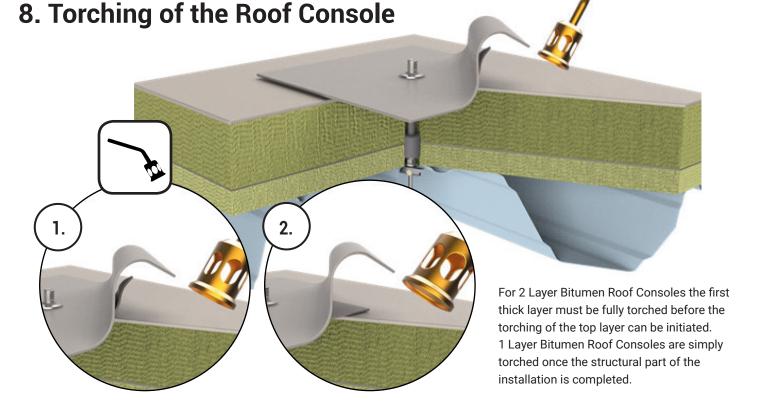




7. Installation of the Roof Console



The M12 thread hole on the Roof Console sub side is engaged with the threaed rod of the Trapez Anchor and the Roof Console is turned until a good contact to the existing roof surface is reached and until the intended orientation of the Console is obtained.



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DirectFix Installation Guideline

With the completed installation of the Roof Consoles they are ready for the following installation of various equipment like; solar cells, solar collectors, heat pumps, roof terrasses and so on.

Should the situation, after reading the installation guideline, arise with questions or uncertainties about the general application or specific installation processes FIXNORDIC or any of the FIXNORDIC agents should be contacted.

General comments are also always most welcome and will be considered in the continous delvelopment of the FIXNORDIC Console System.

