



# FEAS

**Forest Energy and Air Solutions**

**FLIXS Installation Manual**

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# FLIXS flexible air duct instruction manual

## Installation instructions :

- 1- Unroll the FLIXS flexible air duct to the desired length between the air inlet and discharge box. Make sure the direction of the FLIXS is the same as the direction of air flow. Arrows showing the direction of the FLIXS are present at both ends of the FLIXS. (Figure 1)
- 2- Once the FLIXS is at the required length, a reciprocating saw with a steel blade can be used to cut the flexible air duct to the appropriate length.
- 3- Secure the flexible air duct to the terminal using self-drilling screws (minimum of 3 screws per flexible air duct) (Figure 2)
- 4- Add a layer of vinyl tape such as FEAS FLEXTAPE. (Figure 3)



Figure 1 : Unroll the flexible air duct to the required length following the direction of the air flow.



Figure 2: Use self-drilling screws to mechanically secure the liner.



Figure 3: Add a layer of FLEXTAPE tape.

- 5- Securely attaches the FLIXS to the lowest rebar with steel wire. Keep a regular interval of approximately 16" between each attachment point (Figure 4).



Figure 4: Securely fix the FLIXS to the frame at regular intervals of 30 cm.

- 6- When pouring concrete, be sure to inform the trades involved in the project to avoid walking on the FLIXS flexible air duct. Although it is designed to support the weight of a person, it is important to protect the flexible air duct (Figure 5).



Figure 5

- 7- Important advice for the ironworkers; use two wooden supports when bundles of reinforcing bars are placed on installed networks of FLIXS flexible air duct (Figure 6).



Figure 6 : Double the wooden supports when the reinforcements are placed on the FLIXS networks.

## 8-Lifting FLIXS flexible air duct using a crane

The use of a crane to transport FLIXS flexible air duct is recommended. Use only approved lifting equipment and be sure to follow the recommendations of lifting specialists.

The recommended method is to insert the lifting belt or chain into the center of the FLIXS flexible air duct rolls as shown in Figure 7.



*Figure 7: Lifting method.*