



**FIBERGLASS  
DUCT  
TECHNICAL  
INFORMATION**

PROJECT: \_\_\_\_\_  
LOCATION: \_\_\_\_\_  
ARCHITECT: \_\_\_\_\_  
ENGINEER: \_\_\_\_\_  
SALES ENGINEER: \_\_\_\_\_  
DATE: \_\_\_\_\_

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**FRP Duct Details**



UNDERDUCT  
DOUBLE WALL

UNDERDUCT  
SINGLE WALL



**Quality Solutions Quick ...FRP Duct Product Information**

**The UnderDuct Advantage:**  
Why our fiberglass duct is superior -

**Material Integrity:** Monoxivent's UnderDuct FRP fiberglass duct is filament wound with two chemically inert materials – glass and resin. The finished product can be relied upon for longer underground service life than galvanized sheet metal, stainless steel, or PVC coated sheet metal. The filament winding provides greater hoop strength resulting in a stronger duct versus other methods of construction such as hand lay-up. The finished product is lighter than steel while offering superior acoustical qualities and corrosion resistance.

**Testing:** Monoxivent's UnderDuct products have met the Flame and Smoke requirements of a Class 1 duct per Underwriter's Laboratories (UL) 181 and Uniform Mechanical Code (UMC) 10-1. We are verified by an ASTM E-84 testing laboratory recognized by the following building code organizations under the Council of American Building Officials: ICBO; BOCA; SBCCI.

**Versatility:** Monoxivent's UnderDuct FRP products are available in straight lengths, standard and custom fittings, or in shop fabricated sections. Pre-insulated double wall duct has many advantages, including assured uniformity of insulation, permanent protection of insulation, and all in one installation.

**Durability:** Monoxivent's UnderDuct fiberglass HVAC ductwork provides excellent resistance to corrosion and leakage. The corrosion resistance qualities are maintained throughout both the inside diameter (ID) and outside diameter (OD) allowing for a wide range of applications.

**Ease of Use:** Monoxivent's UnderDuct fiberglass duct can be directly placed onto a pea gravel bed in a graded trench, then backfilled with pea gravel eliminating concrete encasement. Simple joining methods provide for easy and quick installation, and the FRP duct is impervious to minerals or salts present in soil.

**Efficiency:** Monoxivent's UnderDuct systems can be sealed to achieve a water and air tight system. A leak free system and smooth interior surface will ensure the air reaches its destination efficiently and without contamination.