



PO Box 1355
Titusville, FL 32780
(321) 890-0069
www.ddmanufacturing.net

October, 2020

Technical Assistance Requests:

Polymer(s) Selection:

D&D used High Density Polyethylene as the polymer choice for the prototyping of the test Solar AirWalls. D&D will need technical assistance in the selection of other possible polymers such as Polypropylene, ABS, ASA, etc. These polymers may increase the Solar AirWall effectiveness, increase product lifetime, ease of installation, etc.

D&D will also need help in the selection and procurement of post consumer resins and other recycled plastics for this application.

Selection of Polymer Additives:

D&D will need technical assistance with Polymer additives in these areas:

Ultraviolet and Weathering Protection Additives
additives that may increase thermal conductivity of the plastic(s) chosen
Process Additives that increase throughput in a Thermoforming operation
Flame Retardance and Smoke Reduction of the Chosen Thermoplastic Resin(s)

Geographical locations:

D&D will require assistance in choosing locations that reflect typical outcomes for US consumers using the Solar AirWall for heating houses, garages and warehouses.



PO Box 1355
Titusville, FL 32780
(321) 890-0069
www.ddmanufacturing.net

Testing and Certification of Results:

D&D will need assistance with understanding national, individual states and municipal building codes and certification protocols. From this gathered knowledge a plan will be formulated with the chosen partner to nationally market the Solar AirWall.