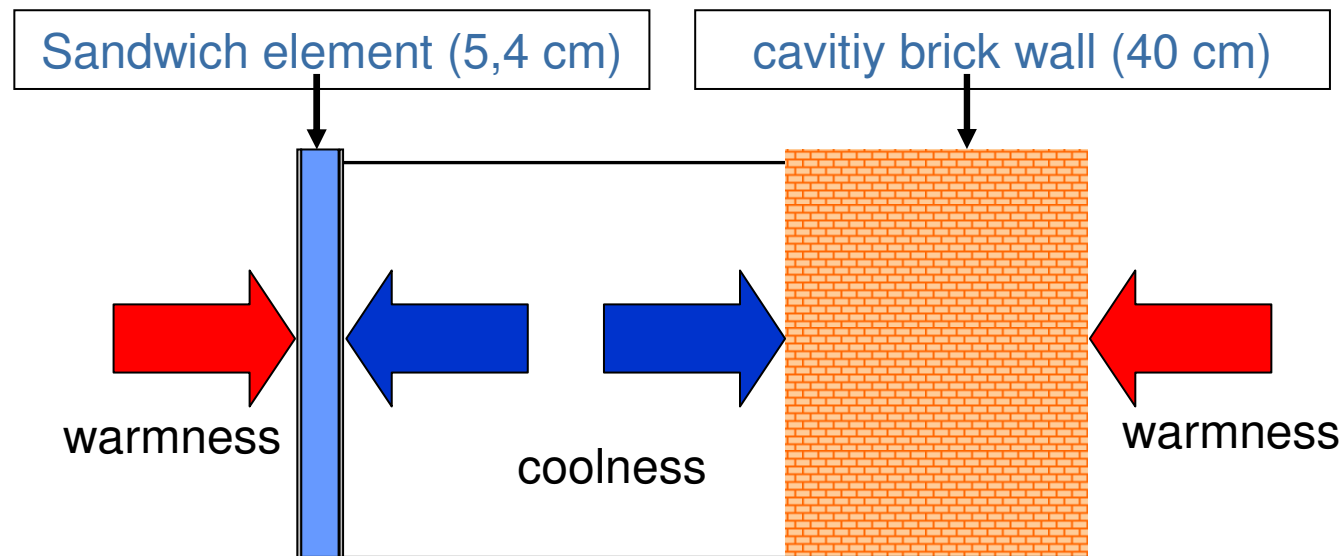




LAMILUXplan Applications in the Cooling Technology

- **Isolation advantage of the sandwich element:**

A sandwich element, consisting of 2 mm of GRP surface layers and 5 cm Polyurethane foam (Density: 30 kg/m³, 0.025 W/mK) has the same isolating effect as a modern cavity brick wall (Density: 800 kg/m³, 0.20 W/mK) with a thickness of 40 cm!



same insulating effect



LAMILUXplan GRP in the Cooling Technology



- Cold and processing rooms; wall and ceiling
 - Product: Super plus Gelcoat, 1.5 – 2.0 mm
 - Product: Woven Fabric Gelcoat 1,5mm



LAMILUXplan GRP in the Cooling Technology



- Cold and processing rooms; wall and ceiling
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LAMILUXplan GRP in the Cooling Technology



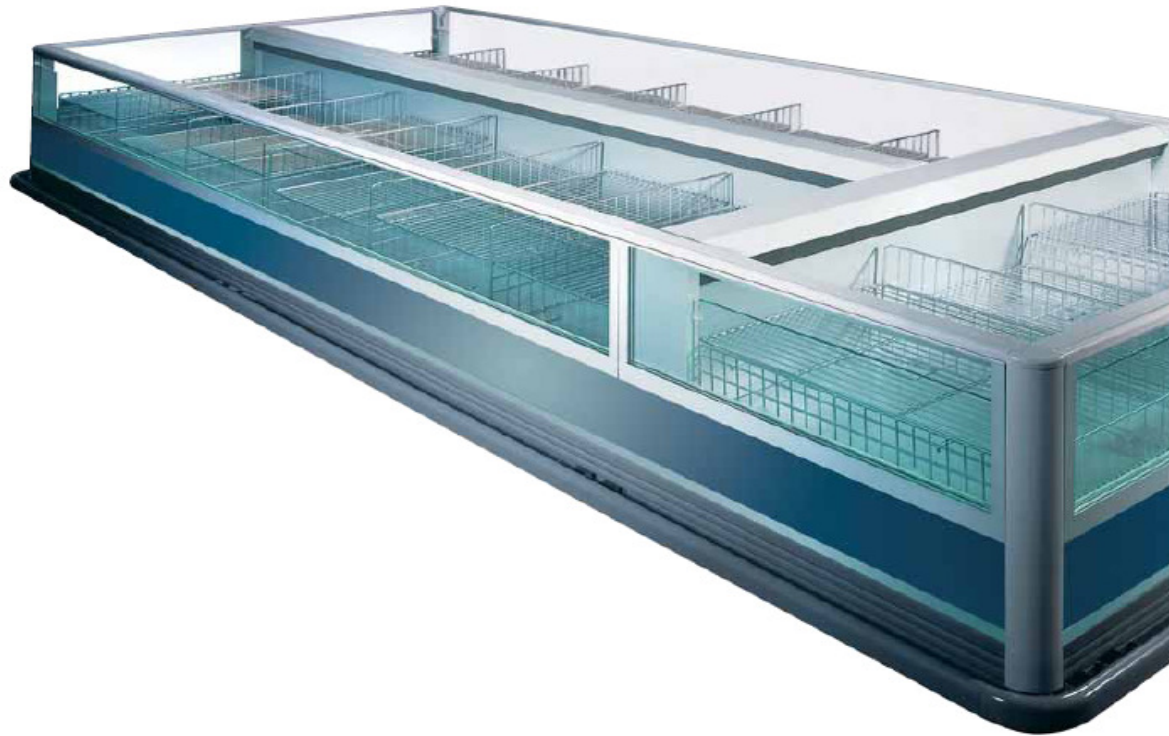
- Cold and processing rooms; wall and ceiling
 - Product: Super plus Gelcoat, 1.5 – 2.0 mm
 - Product: Woven Fabric Gelcoat 1,5mm



LAMILUXplan GRP in the Cooling Technology



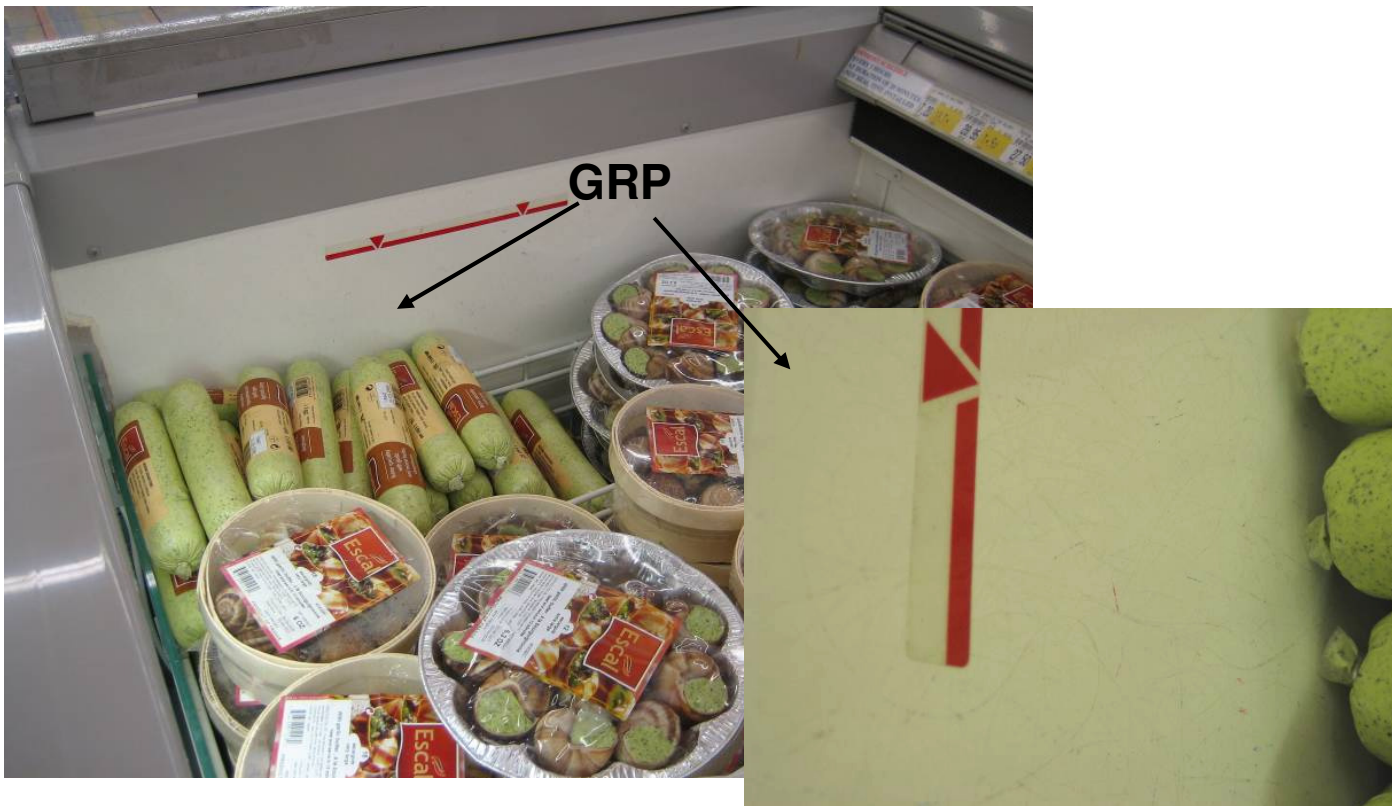
- Freezer
 - Product: Super Plus Gelcoat, 1.2 – 2.0 mm
 - Product: Super Plus, 1.2 – 2.0 mm



LAMILUXplan GRP in the Cooling Technology



- Freezer



LAMILUXplan in the Refrigerated Transportation



- Trailer: Cool-Trailer / Freezer
 - Material Exterior: Super Plus Gelcoat 1.5 – 2.0 mm
HG 4000 Gelcoat 1.5 – 2.0 mm
Woven Fabric Gelcoat 2.0 mm
 - Material Interior: Woven Fabric 2.0 mm SH 48 % glass content



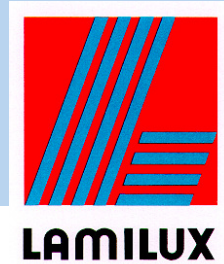
LAMILUXplan in the Refrigerated Transportation



- Trailer: Cool-Trailer / Freezer



LAMILUXplan in the Refrigerated Transportation



- Trailer: Cool-Trailer / Freezer



LAMILUXplan in the Refrigerated Transportation



- Trailer: Cool-Trailer / Freezer



LAMILUXplan in the Refrigerated Transportation



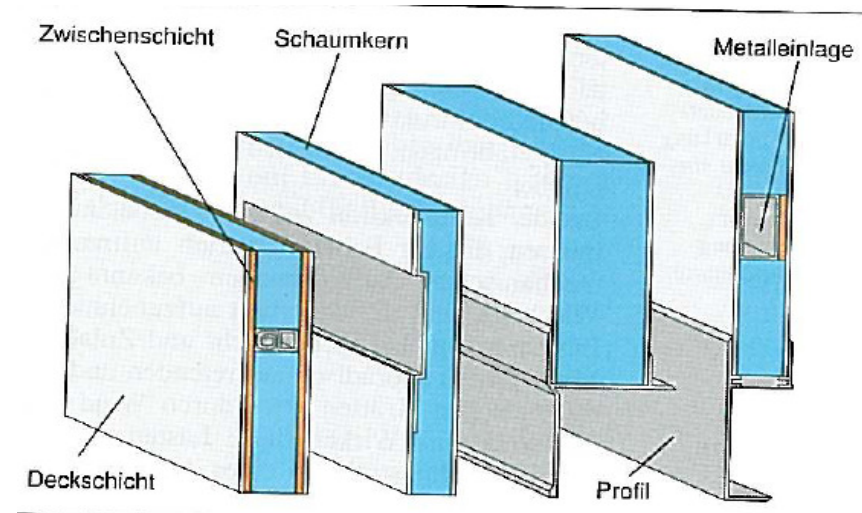
- Trailer: Cool-Trailer / Freezer
 - Material Interior: Woven Fabric 2.0 mm SH 48 % glass content



LAMILUXplan in the Refrigerated Transportation



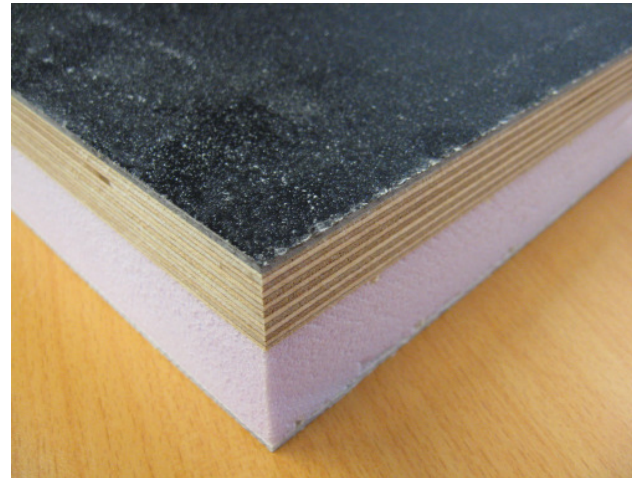
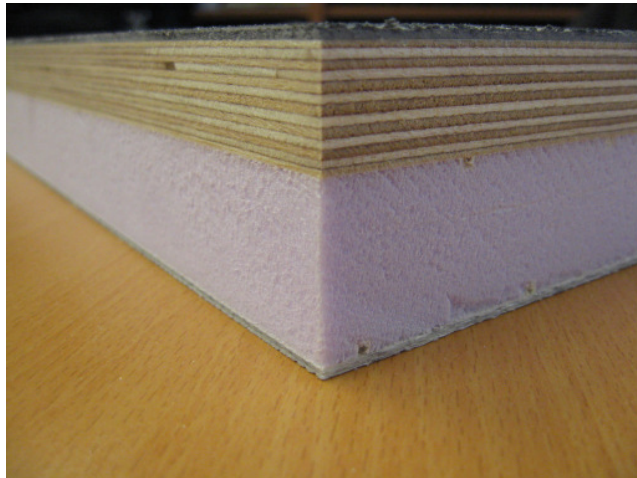
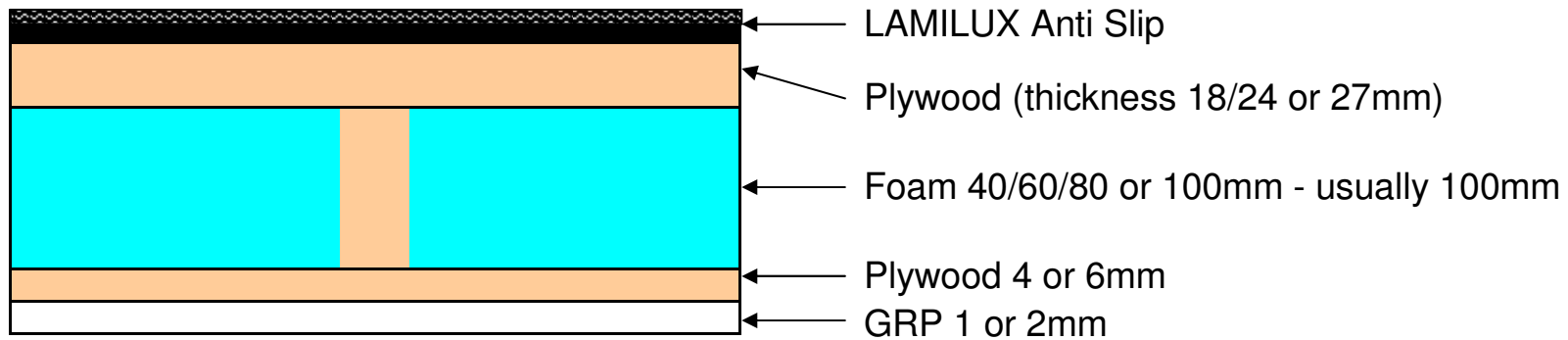
- Sectional view of a truck body floor / construction of a side wall



LAMILUXplan in the Refrigerated Transportation



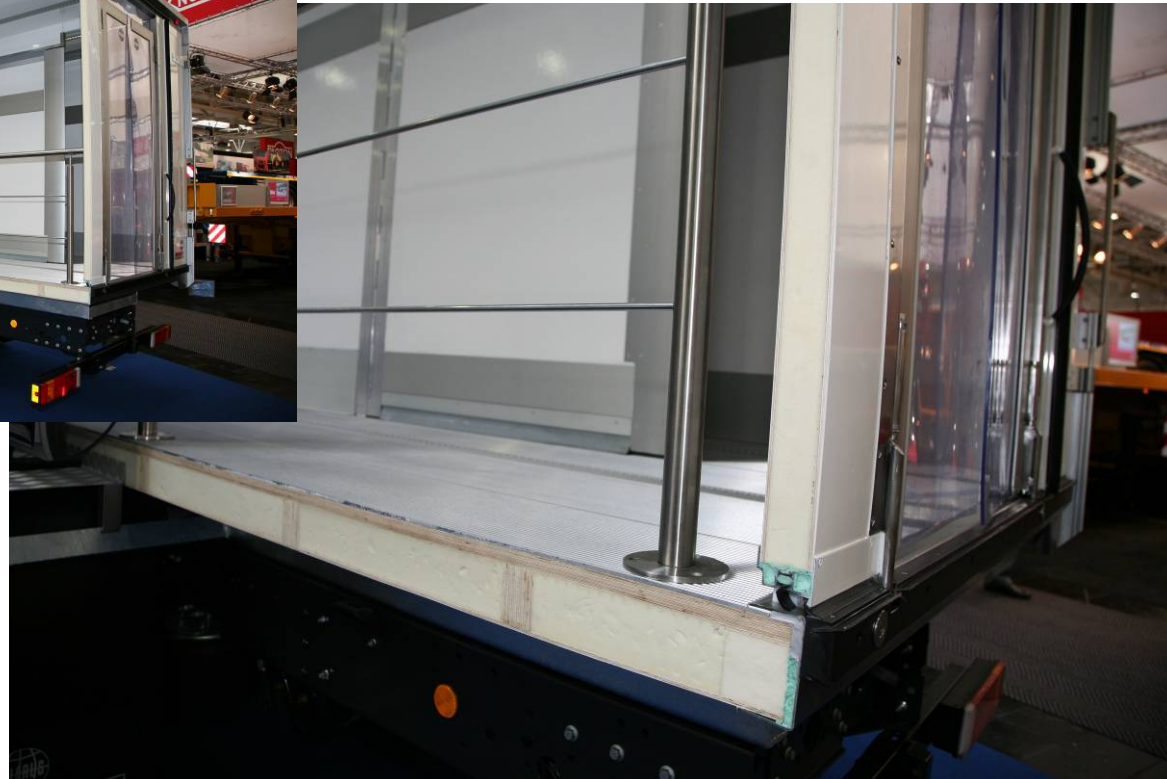
- Trailer: Example for a truck body floor



LAMILUXplan in the Refrigerated Transportation



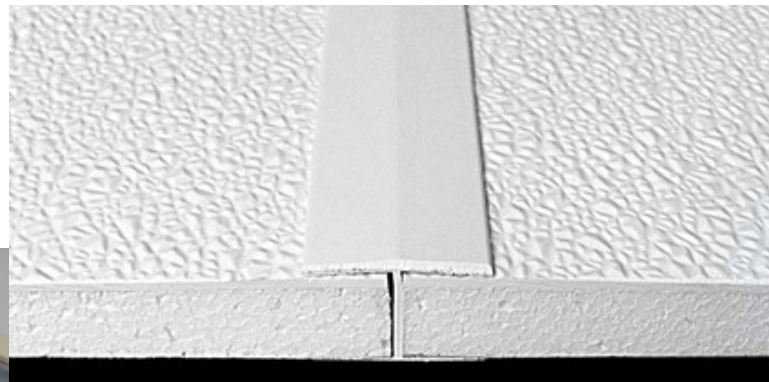
- Trailer: Example for a truck body floor



LAMILUXplan GRP in the Cooling Technology



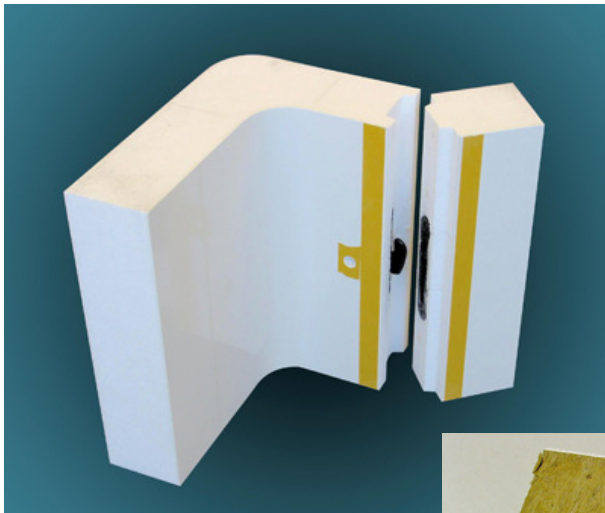
- Add and sealing of sandwich elements



LAMILUXplan GRP in the Cooling Technology



- Connecting possibilities for sandwich elements – cooling technology:



LAMILUXplan GRP in the Cooling Technology



- Connecting possibilities for sandwich elements – cooling technology:



LAMILUXplan GRP in the Cooling Technology



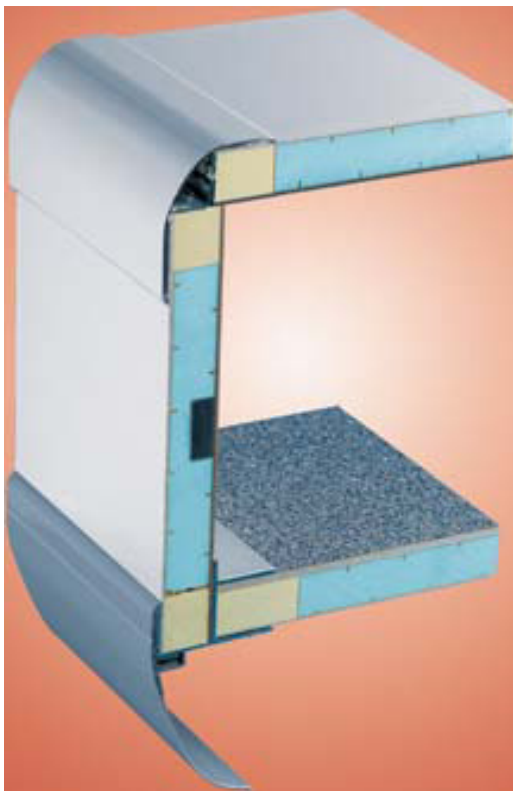
- Connecting kinds for sandwich elements – cooling technology:



LAMILUXplan GRP in the Cooling Technology



- Connecting kinds for sandwich elements:



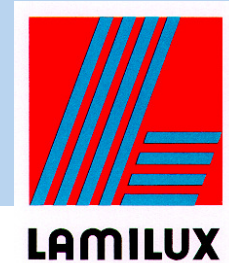
LAMILUXplan GRP in the Cooling Technology



- Arrangement of covers and walls of cold storage rooms and ripe spaces

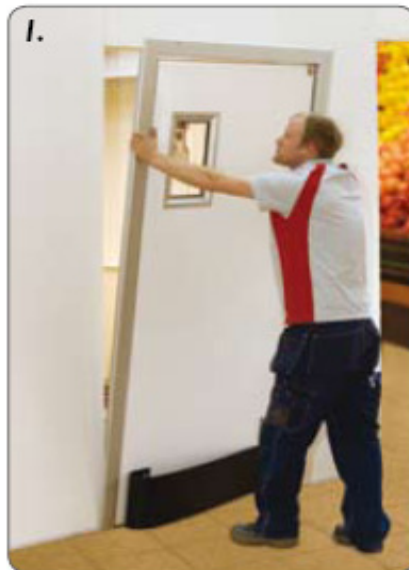


LAMILUXplan GRP in the Cooling Technology



- Installation of a door in the sandwich element - Fa. Thermod

Assembly of Thermod's door unit:



1. Place the door frame in wall opening (the door can be temporarily placed into the frame, to facilitate correct placement).



2. Measure vertical and horizontal positions for the frame and fasten to wall using the screws included.



3. Fill up around the frame using an elastic seam filler.



4. The loose linings of the frame are assembled from the opposite side. The lining parts are „snap-locked“ against the already assembled jamb part.



5. Screw the linings against the wall and plug the screw holes.



6. Completed door assembly and the heater cable is connected to a power source.