

ADHESIVE VACUUM TEST FOR LANDAU ROOFS

Application

This procedure is used to measure the vacuum necessary to delaminate the vinyl outside top material from the metal roof panel.

Apparatus Required

Vacuum Pump

The pump should be capable of vacuum to 25 inches of Mercury with a minimum displacement rate of 1 cubic foot per minute. A control valve and vacuum gauge is required to regulate the rate and amount of vacuum. Will Scientific Inc. Catalog No. 22691, or equivalent.

Glass Funnel

Ribbed Funnel, 150 mm diameter. Must be capable of withstanding vacuum applied during test. Will Scientific Inc. Catalog No. 14186, or equivalent.

Conditioning and Test Conditions

All test values indicated herein are based on material conditioned in a controlled atmosphere of 23 +/- 2 °C and 50 +/- 5 % relative humidity for not less than 24 h prior to testing and tested under the same conditions unless otherwise specified.

Test Procedure

1. Place the vacuum funnel on the center of the test panel or on the test vehicle's top as illustrated in Figures 1 and 2.
2. After obtaining a good seal (the funnel rim to the top material), increase the vacuum at a rate of 2 inches of Mercury per minute, until the specified amount of vacuum is reached, or the vinyl lifts and domes into the funnel (at least half of the surface area).
3. Report to the nearest inch of Mercury, the average of three readings. Top assemblies should be tested in those three critical areas as shown in Figure 2. When a laboratory test is conducted, three separate test panels (12 by 12 inches) should be used.

Chemicals, materials, parts, and equipment referenced in this document must be used and handled properly. Each party is responsible for determining proper use and handling in its facilities.

Date	Action	Revisions
2000 08 31	Revised	Editorial – no technical change A. Cockman
1992 07 13		

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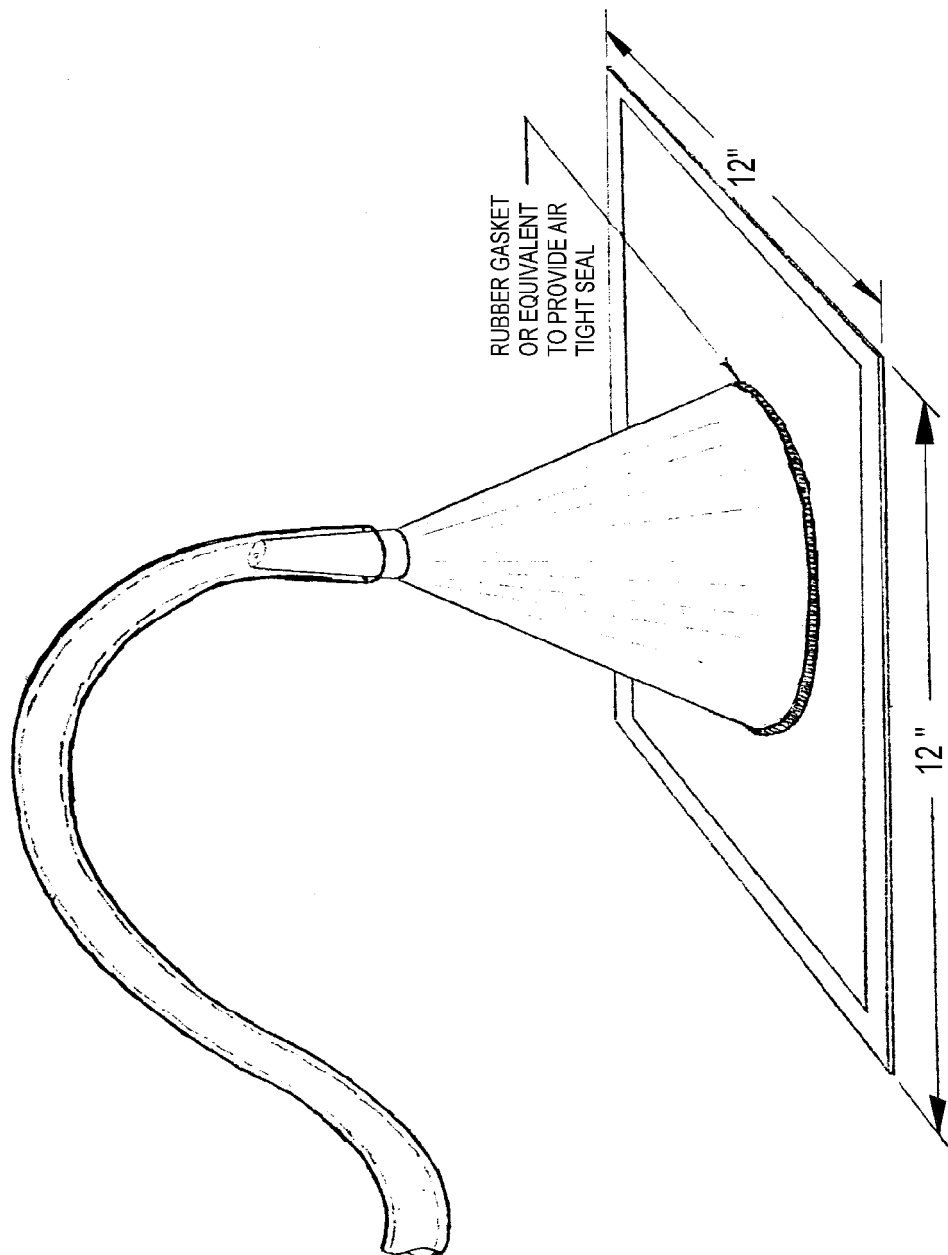


Figure 1