



**U. S. A. SAFETY DOMES**  
**7141 LAFAYETTE ST.**  
**DENVER, CO. 80229**  
**800-540-9277**



**U. S. A. SAFETY DOMES SPECIFICATIONS & CERTIFICATION**

**SPECIFICATIONS**

AMERICANS WITH DISABILITIES ACT  
 AS OF JULY OF 2004

**705 Detectable Warnings**

705.1 General. Detectable warnings shall consist of a surface of truncated domes and shall comply with 705.

705.1.1 Dome Size. Truncated domes in a detectable warning surface shall have a base diameter of 0.9 inch minimum and 1.4 inches maximum, a top diameter of 50 percent of the base diameter minimum to 65 percent of the base diameter maximum, and a height of 0.2 inches.

705.1.2 Dome Spacing. Truncated domes in a detectable warning surface shall have a center-to-center spacing of 1.6 inches minimum and 2.4 inches maximum, and a base-to-base spacing of 0.65 inch minimum, measured between the most adjacent domes on a square grid.

705.2 Platform Edges. Detectable warning surfaces at platform boarding edges shall be 24 inches wide and shall extend the full length of the public use areas of the platform.

**CERTIFICATION**

of U. S. A. Safety Domes

(705.1.1) Dome Size. U. S. A. Safety Domes surface has a base diameter of 1.4 inches, a top diameter of 0.7 inches, and a height of 0.2 inches.

(705.1.2) Dome Spacing. U. S. A. Safety Domes have a center-to-center spacing of 2.4 inches and a base-to-base spacing of 0.9 inches measured between the most adjacent domes on a square grid.

(705.2) Platform Edges. U. S. A. Safety Domes are all 24 inches wide and customer shall order and determine the length of the public use areas of the platform.

**THEREFORE: U. S. A SAFETY DOMES CERTIFIES** that all of our safety domes meet the requirements of the Americans with Disabilities Act as cited above.

**SPECIFICATIONS**

**PART 1 Installation & related topics**  
**“On Surface Mounts” ( 35°- 100°)**

1.1. Installation: The installer must be certified by U. S. A. Safety Domes that the installer has been trained to properly install the said safety domes in order for the 5 year Warranty to be valid.

1.2 Preparation of Surfaces: 1. Verify with general contractor that the concrete is properly cured. (usually 40 days or more) 2. Substrate must be clean, dry and free of oil. (if oil is present, clean with acetone) 3. High spots on the substrates shall be removed by grinding them down.

1.3. Installation procedure: 1. Drill holes into substrate for mechanical fasteners as per manufacturer instructions and training. 2. Apply primer as per manufacturer instruction and training. 3. Apply bonding agent with filler and accelerator as per manufacturer instruction and training. 4. Attach mechanical fasteners into substrate as per manufacturer instruction and training.

1.4. Installation Environment: Surface mounts may be installed at temperatures of ( 35° - 100° of substrate ), provided the above procedures are followed. Certified installer has the knowledge as to what changes need to be made for installing in lower temperatures.

1.5. After Installation Environment: Within 10 minutes after installation the safety dome mats are ready for foot traffic. No barricades are needed after installation.

1.6. Installation materials: All materials that is used in installing the mats and becoming a part of the mat is included in the price of the mats. (excluding tools )

**PART 2 Installation of “In new concrete tiles ”**

- 2.1 No certification of installer required.
- 2.2 Place the in-concrete mat in fresh concrete flush with the top of the concrete and edge all edges with a ¼” edger.
- 2.3 Place expansion joints around tiles as standard procedure of concrete work

**SPECIFICATIONS**

**U. S. A. SAFETY DOMES**

**PART 3. The make up and properties:**

3.1. A polymer (MMA) composition employing crushed glass, glass beads and a secretive formula on common minerals used to produce mats that are 3 to 4 times harder then concrete.  
 3.2. Minimum physical properties of U.S.A Safety Domes.

3.2.1 Water Absorption—(MMA) does not absorb moisture (so small the result is almost 0 )

3.2.2 Skid Resistance: tests showed a skid resistance of greater then 1.0.

3.2.3 Compressive Strength: Greater then 19,500.

3.2.4 Flexual Strength: tests showed a strength greater then 10,000.

3.2.5 Fire Resistance: By applying a torch to the surface and when the temperature rises above 650°F, mat will burn with a flame of 2” height.

3.2.6. Chemical Stain Resistance: withstand without discoloration or staining.

**PART 4. WARRANTY :**

The manufacturer shall warrant the safety dome mats to be free from defects for a period of FIVE years from the date that the mats were installed. The first year shall be a free replacement. After one year the replacements shall be on a prorated bases of the remaining years of warranty. The installation contractor shall warranty the installation to be free from defects for the same period. Manufacturer warranty does not cover the cost of labor for replacement. Warranty does not cover wear and tear on the mats of normal use.

Warranty does not cover abuse caused by snow removal equipment. Warranty does not cover damage in whole or in part by conditions beyond the control of the manufacturer or installer, including but not limited to: use for which the material was not designed; casualty; faulty design or construction; failure of the substrate; damage caused by neglect or improper maintenance procedures and other causes not specified.

This warranty is in lieu of all other warranties, expresses or implied, including but not limited to any warranty of merchantability of fitness for a particular purpose.

**PART 5 – PRODUCTS**

**5.1 MANUFACTURE**

U.S.A. Safety domes are manufactured in Denver, CO., and/or supplied by U. S. A. Safety Domes LLC, 7141 LaFayette St. , Denver, CO. 80229 Tel (800) 540-9277

WEB SITE: [www.usasafetydomes.com](http://www.usasafetydomes.com)

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