



GOLD MEDAL SAFETY PADDING

Product Overview



THE GOLD MEDAL SAFETY PRODUCT

Gold Medal Safety Padding is specifically designed for seclusion rooms in hospitals, psychiatric facilities and prisons where violent behaviour may result in injury to the patient, staff or damage to the room. Gold Medal Safety Padding founded in the USA, is a brand name trusted throughout the commercial world for 40 years.

Gold Medal, once installed, provides a bright, calming and pleasant environment for the user and allows the staff of the site to safely monitor the condition of the individual in the facility.

The Product

Gold Medal Safety Padding when completed, is uniform and smooth, with no cracks or open seams, unlike competing products. It is also highly resilient, as it withstands attempts to rip, gouge or otherwise damage.

Wall & Floor Panels

The wall panels incorporate two sections with the bottom layer allowing compression and the top layer protecting against serious damage. The floor panels have a slightly denser composition, to accommodate wear from foot-fall traffic.

Fire Safety

Gold Medal has been shown to be significantly better than alternative products available on the market. The product has undergone extensive fire testing at various research facilities around the world, please contact us directly for further details.



ENVIRONMENTS

Gold Medal Safety Padding is a highly resilient material specifically designed for use in:

- Seclusion Rooms
- Hospitals
- Prisons
- Police Station Custody Suites
- Special Needs Health Facilities
- Remand Centres
- Secure Environments

Accommodated features may include:

- Standard or split doors
- Cameras
- Intercoms
- Waste grilles
- Sprinkler outlets
- External/internal Observation Windows
- Beds

Designed to safely accommodate persons:

- At risk of self harm.
- Endangering the safety of others
- Potentially or actively destructive to their environment
- Under the influence of intoxicants
- Take time out from the general environment



CASE STUDY

WATERFORD REGIONAL HOSPITAL, IRELAND.

Seclusion Room Padding in Psychiatric Intensive Care Units (PICU)

We have recently completed a Gold Medal Safety Padding seclusion room for a hospital's Psychiatric Intensive Care Ward / Unit (PICU) in the south of Ireland. Gold Medal affords the highest level of protection for special needs patients & the staff, and has done so for 40 years.

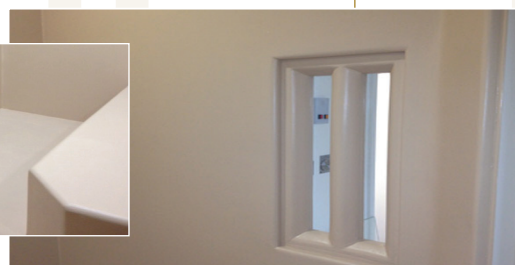
This Gold Medal Safety Padding Installation

For this particular installation, the walls, floor, door and even the bed were taken into account. One of the clients major concerns was that a standard seclusion room mattress could be used as a barricade. We clad the bed in Gold Medal Safety Padding which ensured the bed became an integral part of the room. The installation required eight days on site.

Psychiatric Intensive Care Ward requirements.

This hospitals PICU required a seclusion room which gave:

1. Maximum safety
2. Long lasting durability
3. A calming environment
4. Hygienic material properties



FREQUENTLY ASKED QUESTIONS.

1. What is the Gold Medal product life cycle?

Once installed and inspected routinely, there is no reason to ever replace the product. Gold Medal rooms installed in 1973 are still in active use today. With the correct care Gold Medal rooms will last indefinitely.

2. Is Gold Medal Safety Padding a specified product?

Gold Medal is a specified by name in many countries around the world such as USA, Australia, Canada and Ireland.

3. What colour is the product available in ?

‘Tan’ is the standard colour, however the top coat can be tinted to any required RAL or BS colours.

4. How fire resistant is Gold Medal padding?

Gold Medal is self extinguishing & highly fire resistant and has independently been tested in many countries.

5. How Hygienic is the Gold Medal product?

The product is easily cleaned, detergents will not harm the surface & the non-slip surface is completely fungus resistant.

6. Can I see previous Gold Medal installations?

Due to the nature of the facilities where Gold Medal has been installed contact our office to arrange a site visit.



MATERIAL SAFETY DATA SHEET

SECTION I CHEMICAL PRODUCT IDENTIFICATION

PRODUCT NAME: **Gold Medal Safety Padding**
CHEMICAL NAME: Thermoset Polyurethane Elastomer/Foam
CHEMICAL FAMILY: Polyurethane
CAS NUMBER: Not Applicable

SECTION II COMPOSITION/INFORMATION ON INGREDIENTS

HAZARDOUS INGREDIENTS			
INGREDIENT	CAS NUMBER	EXPOSURE LIMITS	CONCENTRATION (%)

Note: Polyurethane elastomers/foams are fully reacted polymers forming articles which are not considered hazardous under OSHA's criteria 29 CFR 1910.1200. However, hazardous dusts, vapors, gases, or fumes may be released by mechanical or thermal processing, or by thermal decomposition.

SECTION III PHYSICAL/CHEMICAL CHARACTERISTICS

APPEARANCE AND ORDER: Solid layered panels.
Characteristic or no odor
SPECIFIC GRAVITY: 1.20-1.30
SOLUBILITY IN WATER: NA
% VOLATILE BY WEIGHT: NA
BOILING POINT: NA
MELTING/FREEZING POINT: NA

SECTION IV FIRE AND EXPLOSION DATA

FLASH POINT:	NA (PENSKEY-MARTIN CLO METHOD)
AUTOIGNITION:	NA
EXTINGUISHING MEDIA:	Use water fog, foam, CO2 or dry chemical extinguishing media.
FIRE FIGHTING PROCEDURES:	Wear pressure self-contained breathing apparatus and protective clothing.
UNUSUAL FIRE AND EXPLOSION HAZARDS:	Material contains flame-retardent additives.

SECTION V REACTIVITY DATA

STABILITY DATA:	Stable
INCOMPATIBILITY:	Strong acids or bases
HAZARDOUS DECOMPOSITION OR BYPRODUCTS:	Oxides of Carbon
CORROSIVE PROPERTIES:	NA
OXIDIZER PROPERTIES:	NA
OTHER REACTIVITY DATA:	NA

SECTION VI HEALTH HAZARD DATA

Routes of entry for solids and liquids include eye and skin contact, ingestion and inhalation. Routes of entry for gases include inhalation and eye contact. Skin contact may be a route of entry for liquefied gases.

ACUTE OVEREXPOSURE EFFECTS:	NA
CHRONIC OVEREXPOSURE EFFECTS:	There are no known chronic effects associated with this material.

FIRST AID PROCEDURES

SKIN:	NA
EYES:	NA
INGESTION:	If swallowed, dilute with water and immediately induce vomiting. Never give fluids or induce vomiting if the victim is unconscious or having convulsions. Get immediate medical attention.

INHALATION	NA
NOTES TO PHYSICIANS:	None known.

AGGRAVATED MEDICAL CONDITIONS:	No data is available which addresses medical conditions that are generally recognized as being aggravated by exposure to this product.
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SPECIAL PRECAUTIONS:	NA
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SECTION VII

PERSONAL PROTECTION

CLOTHING:	None required
EYES:	None required in normal use. For grinding operations, use safety goggles and face shield.
RESPIRATION:	None required
VENTILATION:	None required
EXPLOSION PROOFING:	None required

SECTION VIII

PRECAUTIONS FOR SAFE HANDLING AND USE

GENERAL:	None Required
WASTE DISPOSAL:	Not considered a hazardous material. Dispose of material according to any local, state, and federal regulations.

SECTION IX

STORAGE AND HANDLING

GENERAL:	NA
OTHER STORAGE AND HANDLING DATA:	No other specific storage requirements.

SECTION X

REGULATORY INFORMATION

TOXICOLOGICAL INFORMATION:	Under normal conditions not applicable.
SHIPPING INFORMATION:	Not regulated as a hazardous material.

SECTION XI

DISCLAIMER

The information contained in this MSDS is considered to be accurate and represents information currently available. However, no warranty is expressed or implied with respect to such information, and no liability resulting from its use is assumed.

BID SPECIFICATIONS

PART 1 GENERAL CONDITIONS

1.1 Scope

- (A) Provide all labor and material required to furnish and install protective padding (walls, floors, doors and frames) in safety cells, seclusion rooms, and time-out rooms as indicated in the drawings and specified herein.
- (B) Submit typical shop drawings showing details, thickness of materials and typical requirements. (not site specific)
- (C) Submit three (3) samples – minimum of 3"x3" in size – for approval and acceptance of protective padding system for use in safety cells, seclusion rooms and time-out rooms.
- (D) Submit two (2) copies of the manufacturer's maintenance instructions.

1.2 Guarantees

- (A) Protective Padding Contractor shall agree to repair or replace any defective material or work for a period of one (1) year from the date of project completion. This guarantee shall also include any loss of adhesion, resiliency or delaminating. This guarantee does not cover the damage caused by sharp or burning objects. This product is not intended to replace established management practices, but to supplement them in order to provide a safe environment for the end user, owner and client. Guarantee for this work shall be signed by both the Sub-Contractor and the General Contractor.

1.3 Qualifications

- (A) Because of the special nature of the work specified within this section, persons, firms or corporations desiring to bid on this section of work must meet the following requirements:
 - (1) Have a minimum of five (5) years experience in the fabrication and installation of protective padding or work similar to that which is described herein.
 - (2) Have ten (10) successful installations of protective padding.

PART 2

MATERIALS AND PRODUCTS

2.1 General

(A) Protective padding material shall be a synthetic resinous material. Substitutions of a closed cell polyvinyl chloride or other types of polyvinyl chloride surfacing material will not be permitted. Protective padding meeting the following requirements and approved for use is Gold Medal Safety Padding as manufactured by Marathon Engineering Corporation, and supplied in Europe by Gold Medal Safety Padding U.K., 3 Oswin Road, Brailsford Ind Estate, Leicester, LE3 1HR.

(B) All vertical panels shall be prefabricated. The panels are to be 25mm nominal thickness Gold Medal Safety Padding bonded on Oriented Strand Board 12mm thickness, making the wall panels a total of 40mm thick.

(C) The door jambs shall be 12mm thickness Gold Medal Safety Padding for a total of 25mm thickness on door jambs.

(D) All floor panels shall be prefabricated. The panels are to be 19mm Gold Medal Safety Padding bonded on Oriented Strand Board 12mm thickness, for a nominal thickness of 30mm (tolerance of +/- 5mm).

2.2 Properties

(A) In addition to meeting the minimum physical properties when cured, protective padding must contain a flame spread and smoke index which when tested in accordance with ASTM E84 is given a CLASS A FIRE RATING.

- (1) Flame Spread: 5
- (2) Smoke Development: ≤ 20

(B) Padding must also conform to the following criteria:

- (1) Weight is approximately 5 pounds per square foot
- (2) Tensile strength range 300 P.S.I. minimum ASTM D412
- (3) Temperature stability – unaffected from 20 degrees F to 120 degrees F
- (4) Moisture absorption 0.8% to 1.05% by weight
- (5) Compression set 90% recovery after 72 hours
- (6) Compression properties 30 PSI to 70 PSI at 50% modulus
- (7) Elongation at break ASTM D412: 150% typical
- (8) Critical Radiant Flux of Floor Covering Systems ASTM E684: >0.99 (W/cm²) (Class I)
- (9) Acute Oral Toxicity Test: Non Toxic
- (10) Hardness: Durometer reading shall be 60 (plus or minus 5).
- (11) Fungus Resistance MIL-I-531-D – Completely Resistant Rating (0.0.0)

(C) Fasteners for use in attachment of vertical panels shall be recommended by manufacturer.

PART 3

EXECUTION

3.1 Installation of Protective Padding

(A) Inspect surface(s) to receive work under this section. Notify the architect in writing if surface(s) is not satisfactory for application of materials. Commencement of work constitutes acceptance of surface.

(B) All vertical panels will be mechanically fastened to walls.

(C) The number of fasteners per panel will be determined by the installers and is based on type of substrate.

(D) A gap of $3\text{mm} \pm 2\text{mm}$ will be left between panels. They will then be filled with Gold Medal Compound. When fully cured, it will be sanded to meet adjacent edges.

(E) All fastener holes will be filled with Gold Medal Compound and sanded. Upon completion of sanding of all surfaces (walls, doors, ceiling and floor), all surfaces will receive a Gold Medal topcoat.

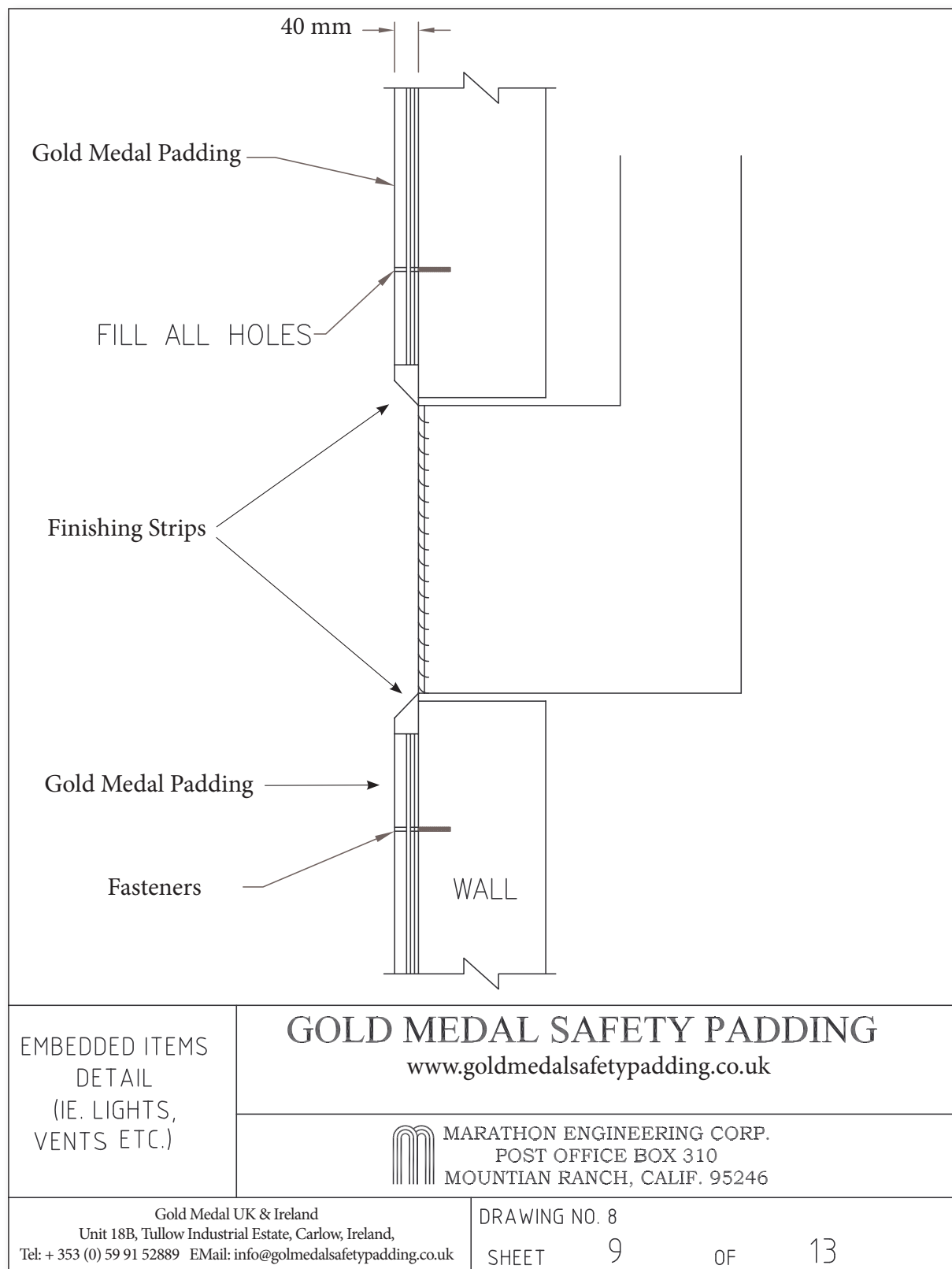
3.2 Precautions

(A) The following conditions are required for the installation and storage of materials:

- (1) General Contractor or owner shall provide adequate storage of materials.
- (2) A minimum temperature of 20 degrees Celsius shall be maintained for the duration of the installation.
- (3) The General Contractor shall provide 110-volt electrical service, storage in a safe, warm and dry area, hoisting equipment and on-site waste disposal.

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SAMPLE DRAWINGS



CARE OF GOLD MEDAL SAFETY PADDING

The following information provides the basic instructions for the use and care of Gold Medal Safety Padding.

CARE OF GOLD MEDAL SAFETY PADDING

Whenever a room has been used a visual check must be carried out.

Gold Medal Safety Padding can be:

- Hosed off
- Washed with detergents
- Scrubbed with a soft nylon type brush

Anti-bacterial wipes are a suitable way of cleaning the room frequently without the requirement of introducing water. If the floor of the room has a drain fitted, ensure that the drain is clear. Standing water must be dried off using a dry mop after cleaning. Never allow water to stand on the product.

INSPECTIONS

We recommend that each room has an annual inspection by GMSP to ensure all seams and finishes are in order.

Should you experience any difficulties please do not hesitate to contact our offices.

GOLD MEDAL SAFETY PADDING SAMPLES

Gold Medal is a compounded synthetic resinous material, which is poured onto a strand board and once cured, is sectioned into 2.4 x 1.2 metre sheets.

1. THE GOLD MEDAL PRODUCT

The main product comprises of a number of layers (see opposite page), each having their own set of characteristics.

First Layer.

This top layer provides strength & protection and prevents picking and grabbing.

Base Layer.

This softer layer absorbs impact and prevents injury.

2. EDGING & FINISHING STRIPS

The edging & finishing strips are bonded to the wall panels, ensuring that the Gold Medal room has no grabbing points. It also facilitates finishing around cameras, doors and windows.

