

# ZONE Wall Protection



## Technical Data

### MATERIALS

The rigid vinyl (PVC) and the flexible vinyl (PVC) used in manufacturing TEPROMARK International Inc products, are in compliance with the highest industry standards, (UL) and the American Disabilities Act (ADA). Parts have been carefully designed to take full advantage of production materials so that they are attractive, durable, impact resistant, hygienic, and pleasant to the touch.

Extruded aluminum retainers impart structural strength. They are manufactured from an aluminum alloy specifically formulated to be used for this purpose.

End stops, corners, corner adapters and end caps are molded from an ABS or polypropylene compound to provide durability and impact resistance. Impact resistance is increased by molding all pieces in 2.5mm thick cross sections and by designing a series of internal webbing.

TEPROMARK PVC material meets the UL standard 94VO. TEPROMARK products have been tested for surface burning characteristics by Underwriters Laboratories, Inc. The standard UL 723, "Tests for Surface Burning Characteristics of Building Materials," is used by Underwriters Laboratories Inc. to investigate specific building materials and develop Flame Spread and Smoke ratings. This test standard is widely recognized and specified in the major building codes of the United States and Canada. It is approved by the American National Standard Institute as Standard (A2.5), the American Society for Testing and Materials (ASTM E-84) and the National Fire Protection Association (NFPA 255). In addition, the vinyl material used to manufacture TEPROMARK products has a CCI classification, as tested in accordance with the procedures specified in ASTM O-625, Standard Test Method for Rate and Burning and/or Extent and Time of Burning of Self-Supporting Plastics in a horizontal position, as referenced in UBO 52-4-1988.

Note: Class A is the designation of the National Fire Protect Association. Class 1 is the equivalent, but not used by UL. Both of these ratings are the same as UL.

### PVC PROPERTIES

**Tensile Yield** of the rigid vinyl is 6100 psi and of the ABS of 5400 psi, as tested in accordance with the procedures specified in ASTM D638.

**Chemical and Stain Resistance** provided in the rigid vinyl and ABS shows resistance to stain when tested in accordance with applicable provisions of ASTM D-543.

**Fungal and Bacterial Resistance** provided in the rigid vinyl indicates the material does not support fungal or bacterial growth tested in accordance with ASTM G-21 and ASTM G-22.

**Colour Consistency** provides thermoplastic components matched in accordance with SAE J-1545-(Delta E) with a colour difference no greater than 1.0 units using CIE Lab, CIE CMC, CIE Lch, Hunter Lab or similar colour space scale systems.

**Abrasion Resistance** The PVC material used in TEPROMARK'S extrusions are highly resistant to abrasion.

**Aluminum Retainers** are extruded from 6063-T5 alloy. This aluminum alloy has a tensile strength of 29,000 psi, a yield strength of 25,000 psi, an elongation (% on 50.8mm) of 12 and a Brinell Hardness of 73.

## Maintenance

Little maintenance is required when TEPROMARK vinyl covers, vinyl and clear corner protectors, vinyl corner guards and molded end stops are properly installed. See prior paragraph on installation. Lightly soiled materials can be cleaned with a mild rubbing action using detergent mixed into warm water. With normal use, TEPROMARK products should remain damage free for many years. If a part is damaged due to harsh treatment, arrangements can be made with Zone to arrange for the remedial work to the affected area without replacing the entire system.

### COLOUR RANGE

PVC colour samples with textured finish will be supplied on request.

### SPECIFICATIONS

Zone will prepare a comprehensive project specification in both soft and hard copy formats for architects and property owners, on request.



ACCESSIBILITY GUIDELINES