

DIVISION 10 - SPECIALTIES

Section 10100 - Chalkboards, Markerboards and Tackboards

These items should conform to the University Classroom Design Standards. The products are fairly standard and should be specified, sized, selected and/or customized based on the User's needs and preferences with the concurrence of UA Classroom Technology Services.

Part 1 - General

- Markerboards are preferred over chalkboards primarily because of the problems associated with chalk dust. The University is gradually migrating in this direction but there may be instances where the user group finds chalkboards to be desirable. Chalkboards should be avoided when an appreciable amount of computer and audio visual equipment is used in the area.
- Locations, mounting heights and sizes should be clearly shown on the drawings and elevations and coordinated with adjacent building elements, projectors, monitors and power/data.
- Material and installation varies by project requirements. Specify markerboard material, shapes, colors (glass, porcelain, magnetic/non-magnetic, framed/frameless, stanchion mounted, flush mounted, mobile, etc.).
- Accessories: Adhesive or Velcro applied aluminum tray to store dry erase markers and erasers.

Part 2 - Products

- Chalkboards and markerboards (whether fixed or moveable) shall be of 3-ply construction consisting of a face sheet, core material and backing.
 - Face sheet shall be one piece 24 gauge porcelain enamel steel skin (magnetic) with appropriate fused surface for either chalkboards or dry erase markerboards. Surface for chalkboards shall be similar to "Vitracite" by Claridge with matte finish, color: Black only. Surface for markerboards shall be similar to "LCS" by Claridge with high gloss finish intended for use with liquid felt-tipped markers, color: White or Light Gray.
 - Core for fixed units shall be minimum 3/8" particle board or Duracore. Core for moveable units shall be minimum 3/8" heavy kraft paper honeycomb.
 - Backing for fixed units shall be aluminum foil. Backing for moveable units shall be 26 gauge galvanized steel sheet.
 - Accessories (fixed boards): Provide continuous extruded aluminum chalktray at bottom of board. Provide cork tack strip along top of board with sliding map clips every twelve inches.
 - Aluminum frame and accessories shall be clear anodized aluminum finish.
- Sliding units: Operation should be easy and quiet with no rattling of panel within the track. Provide units with integral continuous accessory tray. Motorized units may be considered depending on the application with the approval of FM.
- Sliding units may either be surface mounted or floor mounted with a kick panel. In either case the back fixed surface should be utilized as a similar writing surface or a projection surface. Bare walls behind the vertical sliding units should be avoided. Kick panel surface should be specified to compliment the adjacent finishes.
- Any individual unit should not be larger than 16' feet long.
- Tackboards should be natural cork product combined with linseed oil laminated on a burlap backing with natural pigments that go through to the backing. Preferred color is tan. Product shall be self healing, soil

resistant, washable, have a low light reflectance and not contain any toxins or harmful emissions. Minimum thickness of cork should be $\frac{1}{4}$ ". Boards may be additionally mounted on hardboard backing for rigidity.

Part 3 - Execution

- If the markerboard is intended to also serve as a projection surface, ensure that the installation height is coordinated with the projector lens height. A general rule is that the top of the marker board should be no less than the centerline of the projector lens.
- Require manufacturer's recommended maintenance and cleaning procedures; including cleaning products, cloths and precautions for cleaning materials and methods that could be detrimental to the specified finish.
- Provide the maximum manufacturer's available guarantee.

End of Section 10100