



NON-REFLECTIVE CERAMIC PAVEMENT MARKERS

4" Non-reflective Ceramic Pavement Markers conform to the following:

- The top surface of the marker shall be convex with a gradual change in curvature. The top, bottom and sides shall be free of objectionable marks or discoloration that will affect adhesion or appearance.
- The bottom of the markers shall have areas of integrally formed protrusions or indentations, which will increase the effective bonding surface area of the adhesive. The bottom surface of the markers shall not deviate more than 0.05 inch from a flat surface. The areas of protrusion shall have faces parallel to the bottom of the marker and shall project approximately 0.04 inch from the bottom.
- Ceramic non-reflective pavement markers Types A and AY shall consist of a heat-fired, vitreous, ceramic base and a heat-fired, opaque, glazed surface to produce the properties required in these specifications. The markers shall be produced from any suitable combination of intimately mixed clays, shales, talcs, flints, feldspars or other inorganic material which will meet the properties herein required. The markers shall be thoroughly and evenly matured and free from defects which affect appearance or serviceability.
- Tests shall be performed in conformance with the requirements in California Test 669.

Test	Test Description	Requirement
a	Bond Strength	700 psi, minimum
b	Glaze thickness	0.007", minimum
c	Hardness	6 Moh, minimum
d	Luminance factor, Type A, white markers only, glazed surface	75, minimum
e	Yellowness index, Type A, white markers only, glazed surface	7, maximum
f	Color-yellow, Type AY, yellow markers only. The chromaticity coordinates shall be within a color box defined in the CTM 669	Pass
g	Compressive strength	1500 lbs, minimum
h	Water absorption	2.0%, maximum
i	Artificial weathering, 500 hours exposure, yellowness index	20, maximum