

## Approved Products List

### Type V Pavement Markings (715.40.2) (Note 1)

MANUFACTURER	PRODUCT	Approved Lab Number
3M Corporation	380-IES White and Yellow (Note 2)	1393191
Ennis Flint Inc.	Premark Plus White or Yellow (Note 3)	1393192
Ennis Flint Inc.	Hot-Tape White or Yellow (Note 4)	1393189
Ozark Materials LLC	Ozark Pre-formed Thermoplastic Yellow or White (Note 3)	1462424
Geveko Markings Inc.	Optamark White or Yellow (Note 3)	2100801
Ozark Materials LLC	Ozark Pre-formed Thermoplastic Yellow or White - 70 BPN (Note 5)	1462425
Ennis Flint Inc.	Premark Plus Vizigrip White or Yellow (Note 6)	1393193
Crown USA, Inc.	Tuff Mark White or Yellow (Note 3)	2200395
Crown USA, Inc.	Tuff Mark Tuff Grip White or Yellow (Note 6)	2200396

#### Notes

1 - Type V markings include the following applications:

--Transverse markings, which includes intersection markings such as crosswalk lines and yield triangles, symbols such turn arrows and bike lane markings, legends such as railroad and ONLY markings, and diagonal stripes for gore areas and lane shunts

--Longitudinal markings, which includes channelizing lines, edge lines, barrier lines, and lane lines

Materials listed on this APL shall only be utilized for the applications that they are noted as being approved for. Any product specific application requirements noted shall be followed. Enhanced skid resistant material shall be used for all crosswalk stripes and any other markings noted in the project plans. Only materials noted herein as being an enhanced skid resistant material shall be used for these applications.

2 - This product is approved for all longitudinal markings. The only transverse marking applications this product may be used for are diagonal stripes in gore areas and lane shunts.

3 - This product is approved for all longitudinal and transverse markings.

4 - This product is approved for all longitudinal and transverse markings. When applying this material, the road surface shall be pre-heated to 400 degrees Fahrenheit and the material shall be heated to 400 degrees Fahrenheit. Both shall be verified with a infrared heat thermometer.

5 - This product is approved for all longitudinal and transverse markings required to be an enhanced skid resistant material. The material utilized shall be the same as the manufacturer's standard material also listed on this APL, with additional components added to meet a BPN measurement of 70, as offered as an option by the manufacturer.

6 - This product is approved for all longitudinal and transverse markings required to be an enhanced skid resistant material.