

CRUMB RUBBER MODIFIED CONCRETE



Relative Costs	
Installation	Low/Moderate
Life Cycle	Low
Maintenance	Low
Repair	High
Effective Longevity	High
Level of Difficulty	
Installation	Low/Moderate
Repair	High
Maintenance	Moderate
Retrofit	High

Description: Crumb rubber modified concrete or CRMCrete is a concrete-based product using a slurry blend of recycled scrap tire crumb rubber material and homopolymer polypropylene high performance reinforcing fibers. The CRMCrete is installed similar to concrete and can be used with color and texture for increased aesthetic value. This product is comparable in use and characteristics as minor concrete.

Typical Applications:

- Cable Barrier
- Support Posts and Poles
- Edge of Pavement
- Gore/Median
- Guardrail
 - If using with a strong post guardrail refer to the **STRONG POST GUARDRAIL USE WITH RIGID VMS MATERIALS** information sheet for leave-out compliance requirements.
- Mow Edge

Advantages:

- Color can be added
- Formwork is not always necessary
- Higher daily production rates – faster than other surface treatments
- Easy installation
- Uses standard equipment and concrete mixes
- Uses recycled tire rubber material

Limitations and Common Problems:

- Consistency of mix may limit its use on slopes
- Limited history of maintainability and life cycle costs
- Repairs are difficult to match to the original color, if you use a concrete stain
- Leave-outs may be required for some applications due to rigidity of material. Refer to AASHTO RDG and MASH for leave-out compliance requirements.