

# MANHOLE PROTECTION RINGS

PREFORMED THERMOPLASTIC PAVEMENT MARKINGS



**ENNIS-FLINT**  
The Mark of Traffic Safety®



# PREMARK® MANHOLE PROTECTION RINGS

## Year-Round Protection Against Damage

Durable and easy to apply preformed thermoplastic



Road construction, resurfacing and sewer maintenance can result in manhole covers that do not match the exact grade and crown of the road. More than a nuisance and maintenance concern for snowplows, this situation can pose real dangers to motorists and pedestrians. It is also a potential injury hazard for plow operators. Ennis-Flint offers an effective, durable manhole protection ring system to safely transition from the road surface to the top of the manhole cover or water access cover.

The PreMark® Manhole Protection Ring System is designed with a subtle incline that provides a smooth, damage-free ride for daily traffic. Each ring is made of durable non-beaded 125 mil PreMark® preformed thermoplastic material. As many as three rings can be combined to negotiate severe grade changes. PreMark® Manhole Protection Rings are available in black or grey and come in a variety of diameters.

### ENHANCED DURABILITY

Engineered as a true heavy-duty intersection grade pavement marking, PreMark® provides optimum wear in adverse conditions.

### PROPER INSTALLATION

- PreMark® does not require preheating of the pavement to a specific temperature prior to application. And with no road or air temperature requirements, you can install it anytime of year. However, salt, chemical and deicing compounds should be pressure washed or allow 2-3 rainfalls to occur before applying pavement markings.
- The top surface of the material has regularly spaced indents which provide a visual cue during application that the material has reached a molten state indicating satisfactory adhesion has been achieved and provide a post-application visual cue that the installation procedures have been followed.
- A recommended sealer is required when using PreMark® on concrete surfaces. The sealer enhances the bond strength by preventing moisture from penetrating up through the concrete.
- Installing PreMark® is fast, safe and cost-effective with an industrial propane heat torch such as the Flint 2000EX.

### IMPERVIOUS TO OIL AND GAS

PreMark® is oil and gas impervious, yet compatible with all asphalt surfaces. PreMark® can be inlaid or applied on fresh asphalt as soon as the road surface sets.

### WORKER & ENVIRONMENTAL SAFETY

With no lead chromate or heavy metal compounds, PreMark® is non-hazardous, either during application or removal.

### MANUFACTURING CONTROL

All PreMark® preformed thermoplastic materials are made at Ennis-Flint's manufacturing facility which is ISO 9001:2008 certified for design, development and manufacturing.

Exposed manhole risers and collars are no longer a problem thanks to PreMark® Manhole Protection Rings (MPRs). The easy installation process saves time and money while reducing potential damage to vehicles and equipment. Actual ring dimensions depend on the size of the manhole or valve cover.

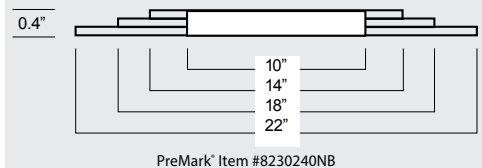


BEFORE

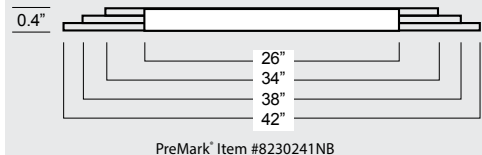


AFTER

### 10-inch Manhole Protection Ring Kit\*



### 26-inch Manhole Protection Ring Kit\*



\* Other sizes are available.

**IMPORTANT SAFETY REMINDER:** While applying PreMark® Manhole Protection Rings an open flame is present when using a propane heat gun. Installers must ensure that no flammable gases are present prior to or during application.