

DESCRIPTION

RAMPLINE is a device designed to alert drivers of a dangerous location approaching. It is recommended as warning road markings (rumble strips), to be placed across the road, before dangerous locations such as schools, pedestrian crossings etc., where the driver has to pay the greatest attention.

RAMPLINE is composed of a 5mm thick tape (RELIEF) and a 1.2 mm thick calendered sheet (BASE).

It's laid in 5-7-10 strips series at a variable distance of 50-70 cm between centres of the single strip.

The acoustic and vibratory effect is caused by the vehicle passing on the rumble strips.

COMPOSITION

RAMPLINE consists of a conformable, rugged layer, made of high quality polymers, mineral fillers, hard anti-skid particles and reflecting glass beads.

TRADE NAME / SIZES

Trade name is **RAMPLINE**.

Standard colour: white.

Relief Width 12 cm ± 0.4 cm.

Base width 15 cm ± 0.4 cm.

Roll length: 25 m ± 2 %

FEATURES

According to European Norm EN 1436:

WHITE

	<u>VALUE</u>	<u>MEASURE CONDITION</u>
Thickness of the RELIEF	≥ 5,0 mm	Thickness gauge
Thickness of the BASE	≥ 1.2 mm	Thickness gauge
Luminance Factor β	≥ 0.60	Geometry 45°/0° - Luminance Factor D65
Retroreflectivity R_L	≥ 100 mcd lx ⁻¹ m ⁻²	Geometry 1.24°/2.29°
Skid resistance	≥ 45 SRT	Skid Resistance Tester
Chromaticity coordinates	$x_1 = 0.355$ $y_1 = 0.355$ $x_2 = 0.305$ $y_2 = 0.305$ $x_3 = 0.285$ $y_3 = 0.325$ $x_4 = 0.335$ $y_4 = 0.375$	Geometry 45°/0° - Luminance Factor D65

APPLICATION CONDITIONS

Overlay application on new or not excessively worn pavements, which has to be clean and completely dry.

Lowest temperature: + 10°C, highest: + 35°C.

Relative humidity < 70%.

The road must be opened to traffic immediately after application.

ADHESIVES

Tape has to be applied to the pavement by means of two adhesives:

DUSTFIXER, spread on the pavement. Recommended quantity: 500 g/ m².

ACTIVATOR, spread on Relief lower surface and on both sides of Base. Recommended quantity: 650 g/m².

Drying time is about 3 - 15 minutes, depending on temperature, humidity and wind.

APPLICATION TECHNIQUES

1. Outline the area. Measure out the quantity needed and remove the protective film.
2. Shake the DUSTFIXER and apply a uniform coat on the pavement. Let it dry thoroughly.
3. Apply ACTIVATOR with a brush roller on the lower face of the Base (thin calendered sheet). When it is partially dried up, but still sticky, apply the sheet on the ground and press it carefully with a heavy roller. The pressure with the roller is absolutely necessary.
4. On the lower face of the Relief and on the upper face of the Base, spread only ACTIVATOR (more abundant on the Relief). When it is sticky as described above, place the Relief over the Base and compress.
5. Open the road immediately to traffic.

DURABILITY

The tape is designed to ensure high quality road markings for a long time. Real durability depends on traffic and climatic conditions. Expected life is of a few years.

MAINTENANCE

Where marking is damaged, it can be patched after cleaning the surface and following the application techniques.

STORAGE

Tape and primer have to be stored in cool and dry indoor areas and used within 18 months from delivery.

Primer contains flammable solvents: handle with care.

CAUTIONS

Wear protective gloves when handling products.

Primer is flammable and harmful if swallowed or inhaled: follow instructions on safety data sheets.