

**Waterproofing Membrane Layer Under Ballast**

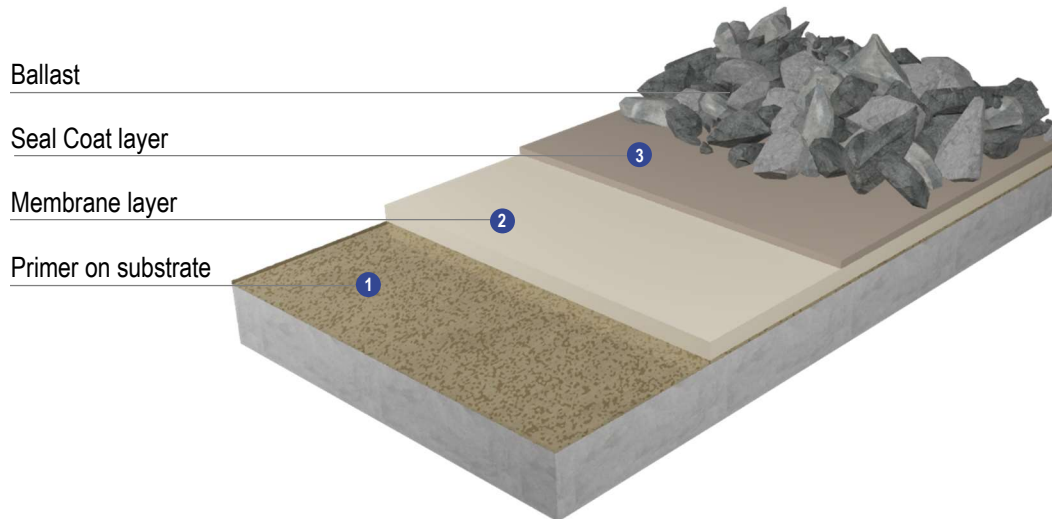
Without Ballast Mat

Layer	Material	Application Rate	Thickness
① Primer on substrate <sup>1</sup> Broadcast aggregate	Matacryl Primer CM Quartz 0.3 to 0.7 mm	0.3 to 0.5 kg/m <sup>2</sup> 0.3 kg/m <sup>2</sup>	13 to 20 mils
② Membrane <sup>2</sup> (1 or 2 layers)	Matacryl Manual / Matacryl Manual LM Matacryl Machine / Matacryl Machine LM	Minimum 4.0 kg/m <sup>2</sup>	Minimum 120 mils
③ Seal Coat (optional) <sup>3</sup>	Matacryl STC	0.5 kg/m <sup>2</sup>	20 mils

<sup>1</sup> Porous or uneven substrates may require multiple primer coats

<sup>2</sup> Membrane application rate/thickness: min 4.0 kg/m<sup>2</sup> (120 mils) for single layer; min 2.0 kg/m<sup>2</sup> each (60 mils each) for two layers

<sup>3</sup> Seal Coat required for UV protection if system is left exposed for more than two weeks before ballast is placed



Matacryl RB Systems exceed requirements of Chapter 8, Part 29 Waterproofing of the American Railway Engineering and Maintenance-of-Way Association (AREMA) Manual for Railway Engineering. Matacryl RB meets AREMA Ballast Indentation test for use without any protection board.

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③ Adhesive	Matacryl RB Adhesive	Minimum 1.3 kg/m <sup>2</sup>	40 mils

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<sup>2</sup> Membrane application rate/thickness: min 4.0 kg/m<sup>2</sup> (120 mils) for single layer; min 2.0 kg/m<sup>2</sup> each (60 mils each) for two layers

