remba

The solution for a permanent in ground marking.

1. Product Description

Remba™ is a high performance concrete especially designed for use in **permanent in ground markers** in the underlying stone or concrete pavers. It is distinguished by:

– a complete filling at the same level as the substructure *(see pictures below for example)*;
– an exceptional resistance to compression and abrasion;
– adhesion perfectly adapted to severe climate conditions;
– proven durability to de-icing salts;
– optimal implementation for the realization of small details *(as small as 2mm)*;
– pigmentation that is safe from UV rays.

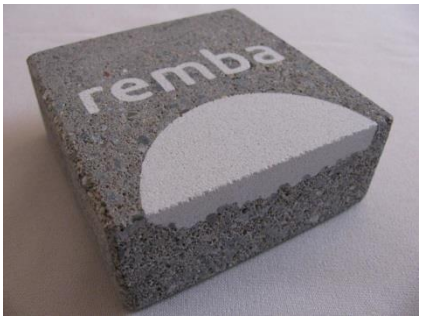
2. Manufacturer

Premier jet inc.
152, rue Industrielle
Lac-Drolet (Québec) G0Y 1C0
Tel.: 819-549-1190
info@premier-jet.com
www.premier-jet.com

3. Application

Remba™ is designed to allow for **permanent in ground intervention** within the framework of signs used as ground markers, landscaping and urban design projects.

This unique concrete represents a durable alternative to ground painting **by eliminating all long-term upkeep**.



Remba permanent marking in concrete paver

Remba permanent marking in granite paver

remba

The solution for a permanent in ground marking.

4. Technical Information

a) Remba™ concrete properties

Compression resistance — *> 70 MPa in 28 days (> 10.1 ksi)*
ASTM C109 standards

Freeze / thaw resistance — *100% durability after 300 freeze / thaw cycles*
ASTM C666 standards — *No pigment deterioration was observed*

Coefficient of thermal dilation — *In the order of 14 micrometers per meter for a variation of 1 °C*
Based on ASTM C531 standards — *(7.8 millionths of an inch per inch per °F)*

Distortion measure — *Concrete has minimal shrinkage according to CSA A23.1-09 standards;*
Based on ASTM C157 standards — *shrinkage after drying 28 days: < 400 micrometers per meter (400 millionth of an inch per inch)*

b) Performance of Remba™ concrete inserted into the stone or concrete substructure

Tearing — *Resistance to adhesion ≥ 1.7 MPa (≥ 245 psi)*
CAN/CSA-A23.2-6B standards based on ASTM C1583
**Standard recommendations: resistance to adhesions ≥ 0.9 MPa (≥ 130 psi)*

Scaling resistance — *No detachment or scaling, residue weight 0 g/m^2 (0 lb/yd^2)*
Tests based on ASTM C672 standards
**Results after 50 freeze/thaw cycles immersed in de-icing salt solution of 4% $Ca(Cl)_2$*

Drying resistance — *No detachment after 50 days*
Tests based on ASTM C157 standards
**Under room conditions of 22 °C and 50% relative humidity*

Carbonation resistance — *No pigment deterioration*
**Accelerated ageing in an atmosphere of 4% CO_2 during 50 days*

Pigment resistance to UV rays — *Mineral based pigments resistant to UV rays*

5. Coloring Choices

Contact us to know more about our coloring choices!