Replace the Deicer, Not the Structure.

**Spec: Solutions**

**Benefits**
- Low corrosion: less corrosive than tap water
- Safe for concrete: the safest deicer for concrete
- Excellent inhibitor: reduces chloride corrosion
- Safe for the environment: biodegradable, low toxicity
- Residual effect: requires fewer applications
- Multi-purpose: use straight, with salt, with sand, or as a liquid

**Performance**
- Works best above 20°F (-7°C)
- Has long lasting effect - better than salt or urea
- Breaks/inhibits bond between snow/ice and pavement
- Creates a dry, powdery snow which improves traction

**Application**
- Apply early in the storm to prevent snow/ice bonding
- First application: Commercial = 15-20 lbs./1000 ft² (75-100 g/m²)
  Highway = 300-400 lbs./lane mile (20-40 g/m²)
- Wait at least 20 minutes to remove snow/ice
- Re-apply when new snow/ice accumulation shows first tendency to pack (bond)

**Environment**
- Biodegrades to CO₂ and H₂O
- Calcium and magnesium increase soil permeability
- Essentially non-toxic to aquatic species
- Poor mobility in soil - unlikely to reach groundwater
- Safe for vegetation
- Does not contain nitrogen, sodium, or chlorides

**Handling**
- May be stored indefinitely if kept dry
- Take care to avoid caking caused by excess moisture
- Excessive handling may cause dustiness

See Reverse Side for Product Specifications
Complete Technical Brochure Available Upon Request
**PRODUCT SPECIFICATIONS – CMA**

**COMPOSITION**
- Calcium Magnesium Acetate (CMA)
- 3:7 Ca to Mg molar ratio
- Hydrated CMA 96% minimum
- Inert Material 4% maximum

**PARTICLE SIZE**

<table>
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<th>Sieve</th>
<th>% Passing</th>
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<tbody>
<tr>
<td>4</td>
<td>90</td>
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<tr>
<td>14</td>
<td>10</td>
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**SHAPE**
- Hard spherical pellet, or angular asymmetrical granules

**BULK DENSITY**
- 40 lbs./ft³ to 44 lbs./ft³
- (0.65 g/cm³ to 0.79 g/cm³)

**RESIDUAL BASE**
- Maximum 0.4 meg base/gm

**pH**
- 8 to 10 in a 10% solution

**PACKAGE SIZE**
- 25 kg (55 lb.) paper bags
- 1000 kg (1 metric ton - 2205 lb.) Super Sacks

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**Spalling Effect of Deicers on Concrete**

![](chart.png)

**Non-Air Entrained Structural Concrete**

**Concrete Surface Weight Loss (mg/mm²)**

- Sodium Chloride
- Calcium Chloride
- Urea
- Ethylene Glycol
- CMA
- Water

**3% Deicer Solutions**

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