Anti-freezing pavement

RUBBER ROLLED ASPHALT

What is RUBBER ROLLED ASPHALT?
RUBBER ROLLED ASPHALT is an anti-freezing pavement where special pre-coated synthetic rubber chippings, instead of stone chippings, are spread and intruded into the surface of flexible asphalt pavement. Expectations are high for pavement durability and continuity of anti-freezing effect of the pavement surface due to rubber chippings.

Advantages
- Difficult for ice layer formation.
- Easy disintegration and removal of snow and ice.
- Long term sustainability of anti-freezing effect.
- Little damage when removing snow by motorgraders.
- Same level of durability as conventional pavement.
- Relatively simple construction method and shorter.
Schematic of “RUBBER ROLLED ASPHALT”

Feature of rubber aggregate
Because of the large particle size of rubber aggregate, the amount of modification of the rubber aggregate part by traffic load is large compared with the conventional rubber particle, and in addition, the exposure area becomes large. Consequently, ice floe is not easily formed and is easily destroyed.

<table>
<thead>
<tr>
<th>Item</th>
<th>Specifications</th>
<th>Application</th>
</tr>
</thead>
<tbody>
<tr>
<td>Material quality</td>
<td>SBR special rubber (Reclaimed rubber powder is used in some parts.)</td>
<td></td>
</tr>
<tr>
<td>Shape</td>
<td>Special pentagonal prism</td>
<td></td>
</tr>
<tr>
<td>Diagonal size D (mm)</td>
<td>20.0 ± 2.0</td>
<td></td>
</tr>
<tr>
<td>Length L (mm)</td>
<td>22.0 ± 5.0</td>
<td></td>
</tr>
<tr>
<td>Between concave and convex S (mm)</td>
<td>2.0 ± 1.0</td>
<td></td>
</tr>
<tr>
<td>Rubber hardness</td>
<td>70–90 JIS K 6301 (Hardness gauge-A)</td>
<td></td>
</tr>
</tbody>
</table>

finished pavement

NIPPO CORPORATION
http://www.nippo-c.co.jp
19-11, 1-CHOME, KYOBASHI, CHuo-KU, TOKYO, 104-8380, JAPAN
TEL: +81-3-3563-6711  FAX: +81-3-3567-7059