

Anti-freezing pavement

RUBBER ROLLED ASPHALT



Left lane : conventional mixture. Right lane : RUBBER ROLLED ASPHALT mixture

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.



Finished pavement surface of "RUBBER ROLLED ASPHALT"

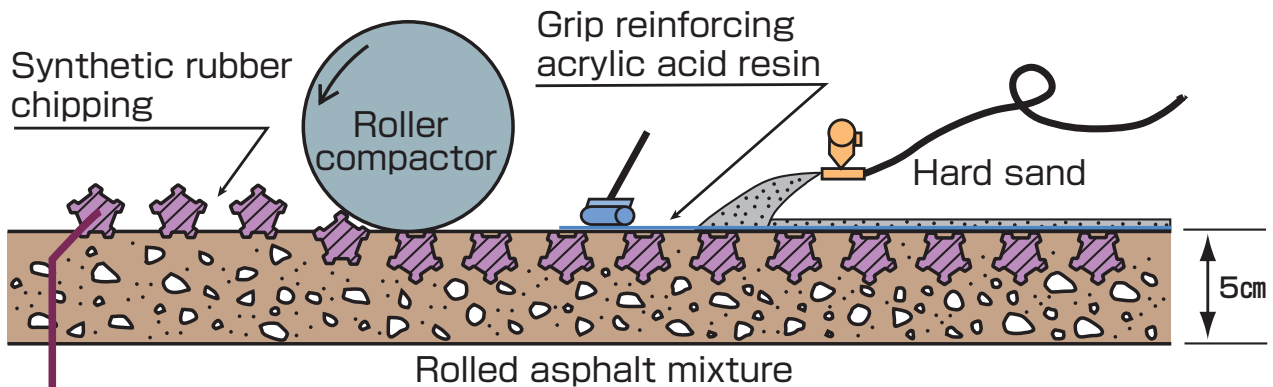
Advantages

- 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.



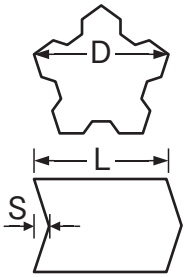
"RUBBER ROLLED ASPHALT" will allow easy removal of snow and ice.

Schematic of "RUBBER ROLLED ASPHALT"

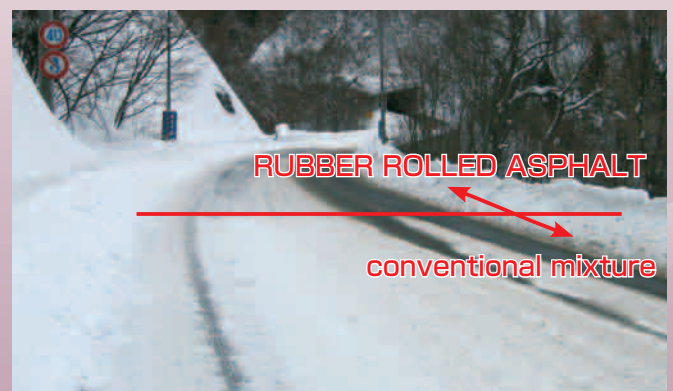


Feature of rubber aggregate

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.

Item	Specifications	Application
Material quality	SBR special rubber (Reclaimed rubber powder is used in some parts.)	
Shape	Special pentagonal prism	
Diagonal size D (mm)	20.0 : +_ 2.0	
Length L (mm)	22.0 : +_ 5.0	
Between concave and convex S (mm)	2.0 : +_ 1.0	
Rubber hardness	70~90 JIS K 6301 (Hardness gauge-A)	

finished pavement



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