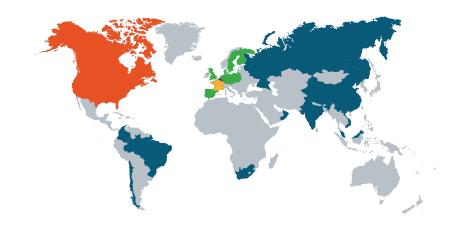


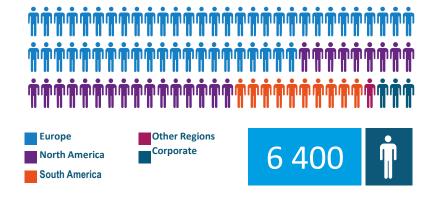
SLhoist

who we are...

over 125 years family company









1 R&D CENTER



4 CUSTOMER TECHNICAL SERVICE CENTERS



80 SUPPLIED COUNTRIES



100 PLANTS & TERMINALS

products - industries



MINERALS

- Limestone
- Milled limestone
- Dolomite
- Clay and others



BURNT PRODUCTS

- Quicklime (pebble, ground, milled)
- Hydrated lime
- Burnt dolomite



SPECIALTY PRODUCTS

- Milk of lime
- Fluidised lime
- Low dust emission lime
- High porosity hydrated lime
- Formulated products





definition

Tack coat

...what the tack is that?

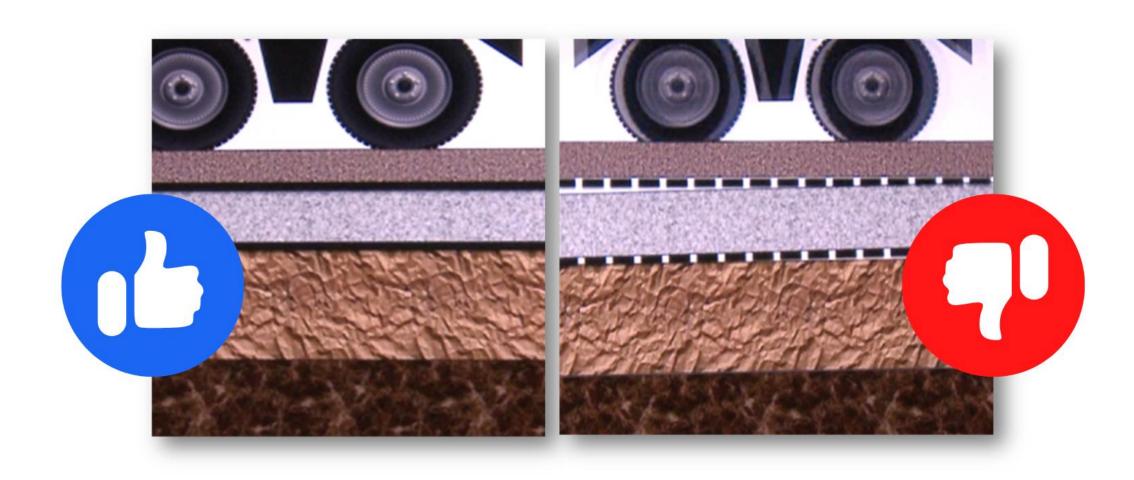
Layer formed after breakdown bitumen emulsion.

(water evaporation and bitumen precipitation)

Applied on asphalt or aggregate layer.



why we need good bond





100% life

expectations

VS













do you also have this problem?







ON THE CONSTRUCTION SITE - WHAT A BEAUTIFUL MESS













so we have the solution!



the best tack coat protection

 formulation based on an aqueous suspension Ca(OH)₂



 high concentration of hydrated lime - 45% very small particles (d50 ≤3µm) to better pores penetration

 special additives weaken sedimentation and aggregation process

delivery methods



or





working solution

Before use concentrate of Asphacal® TC is diluted n-times by tap water and spraying on tack coat in the amount

250 ml/m²





how to apply Asphacal®TC?

















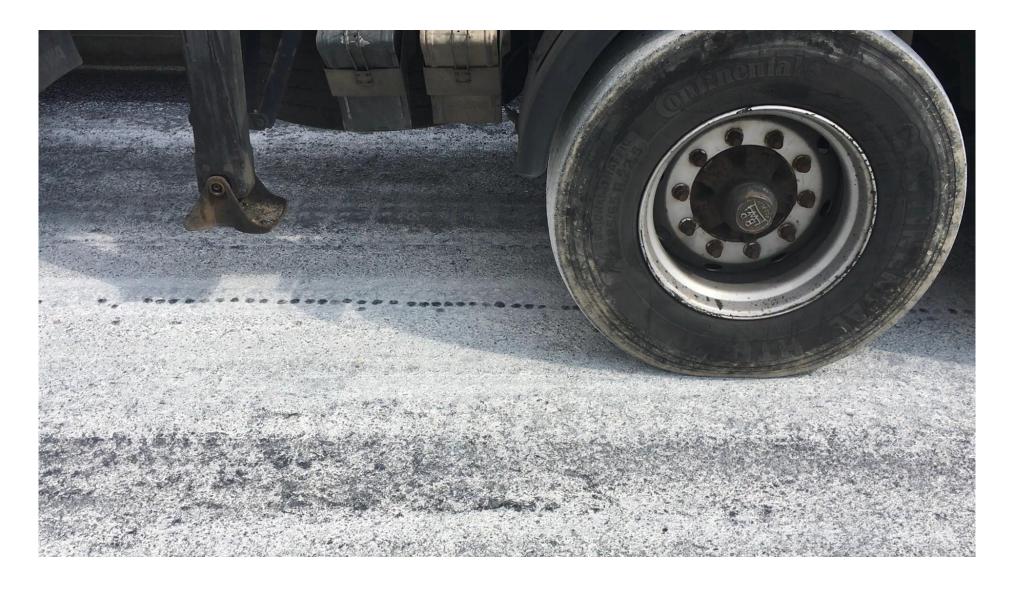


is it ready or not?





this is how it works





protection durability

Close to weeks

Durability of protection

Durability of the protected tack coat, despite the unfavorable and variable atomosphere conditions and construction traffic.











experiences in Poland

- more than 30 trials
- plenty commercial applications
 - highways
 - national roads
 - county roads
 - municipal roads















bond improvement

sample	type of sprinkling	sample diameter [mm]	shear force, [kN]	shear path [mm]	shear stress [MPa]	shear stiffness [kN/mm]
1 K	0,26kg/m² K1-50 (1)	94	8,7	2,3	1,25	3,8
2 K			12,0	2,7	1,73	4,4
3 K			11,1	2,3	1,60	4,8
4 K			10,9	2,5	1,57	4,4
1 S	(2) (2) (3)	94	16,5	3,5	2,38	4,7
2 S			16,7	3,1	2,41	5,4
3 S			18,2	3,7	2,62	4,9
4 S	(4)		17,3	3,4	2,49	5,1

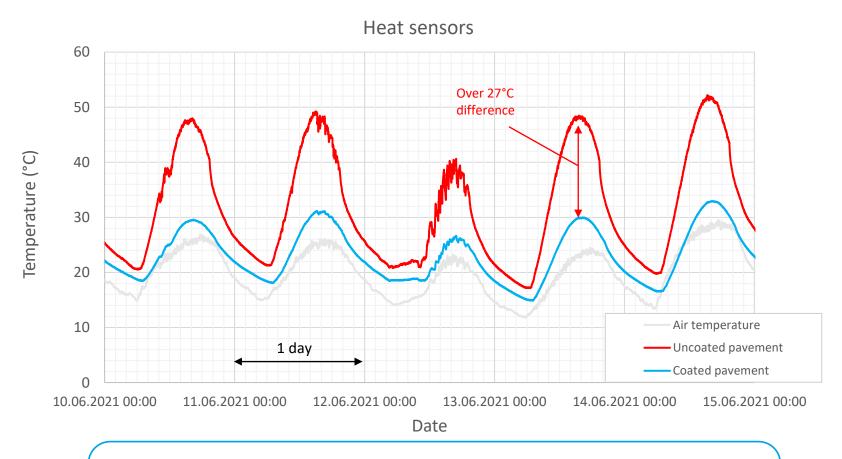
Proportion of the tack coat protection:

- (2) bitumen emulsion (1) plus 250 ml/m2 Asphacal TC dilutied 1:9 (Asphacal TC : water)
- (3) bitumen emulsion (1) plus 250 ml/m2 Asphacal TC diluted 2:8 (Asphacal TC : water)
- (4) bitumen emulsion (1) plus 250 ml/m2 Asphacal TC diluted 3:7 (Asphacal TC : water)

The results of the reaserch are Skanska S.A. property and presented with their permission.



pavement temperature



- > Daytime surface temperature reduction from 18°C to 36°C (air temperature = 30°C)
- Nighttime surface temperature reduction from 2°C to 7°C
- Melting of tack coat is limited

Asphacal® TC benefits



Low cost of the protection



Improvement H&S



Clean construction area and adjacent areas



Bond improvement



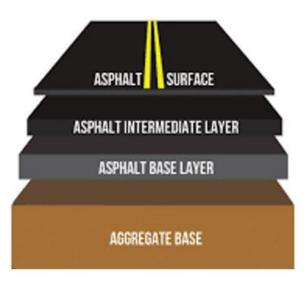
Asphacal® TC benefits







Fast & easy application



Suitable between all layers



Environmentally friendly



Questions ??? Visit us !!!







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