



## **McDONALD'S LOADING YARD IN MOSCOW**

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Restoration of concrete loading yard of MacDonald's storage facilities in Moscow by SHIELDCRETE in a year of 2006.

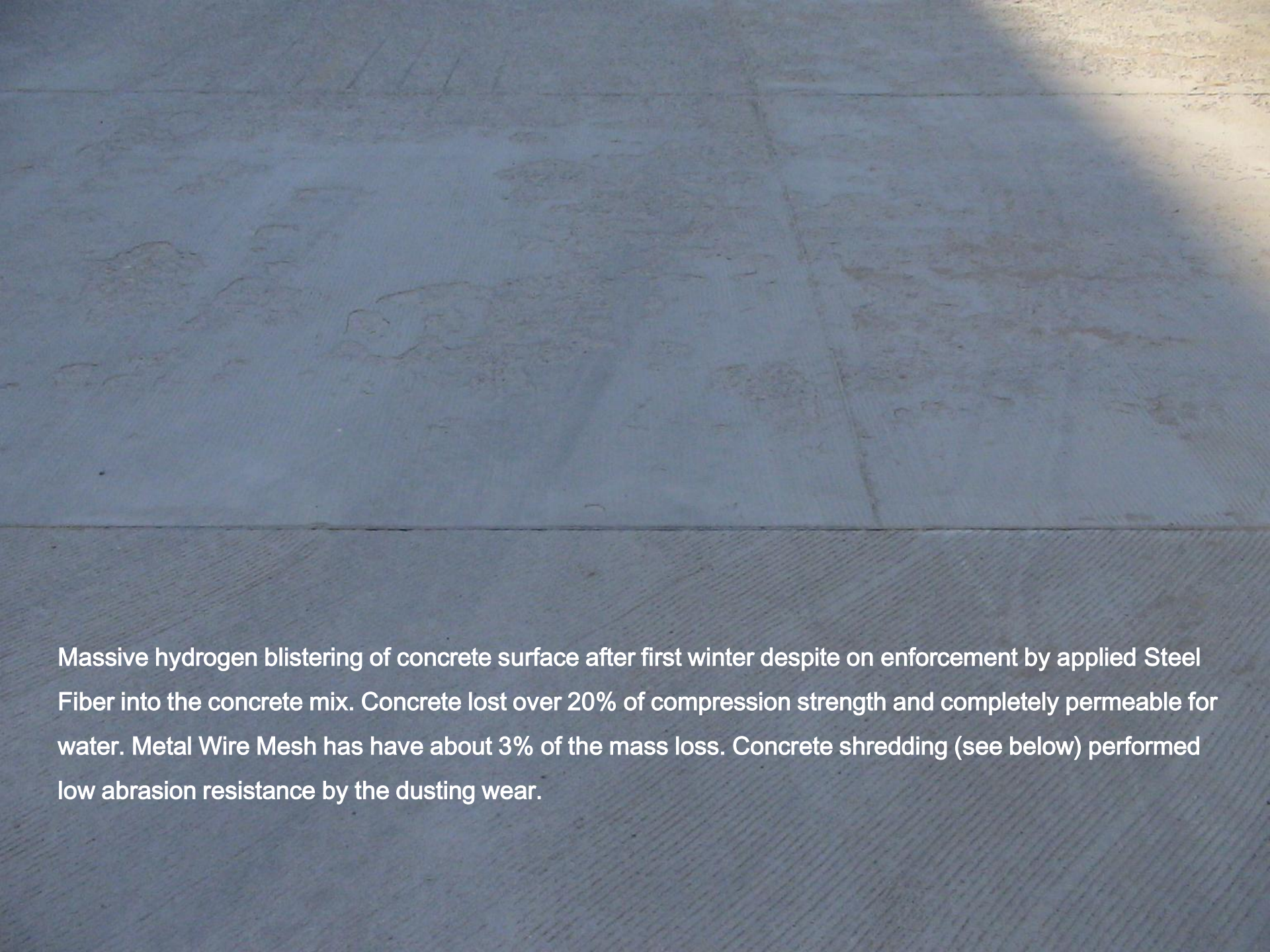




Excessive concrete abrasive wearing caused by the traffic of 40' containerized auto trucks and by the annual cycles of freeze-thaw concrete mass loss. The depth of concrete delamination is up to 2 cm eliminated concrete sacrificial layer and exposed wire mesh.







Massive hydrogen blistering of concrete surface after first winter despite on enforcement by applied Steel Fiber into the concrete mix. Concrete lost over 20% of compression strength and completely permeable for water. Metal Wire Mesh has have about 3% of the mass loss. Concrete shredding (see below) performed low abrasion resistance by the dusting wear.



SHIELDCRETE layer applied on a top of damaged concrete with thickness at 3.5 cm or 1.38" is ready for traffic on third day.





Recent layer of SHIELDCRETE and crumbled surface of to be repaired concrete. Actually, that area was not repaired at that time.





The same site of SHIELDCRETE application after one year.  
Unrepaired concrete turned to the dusty area.







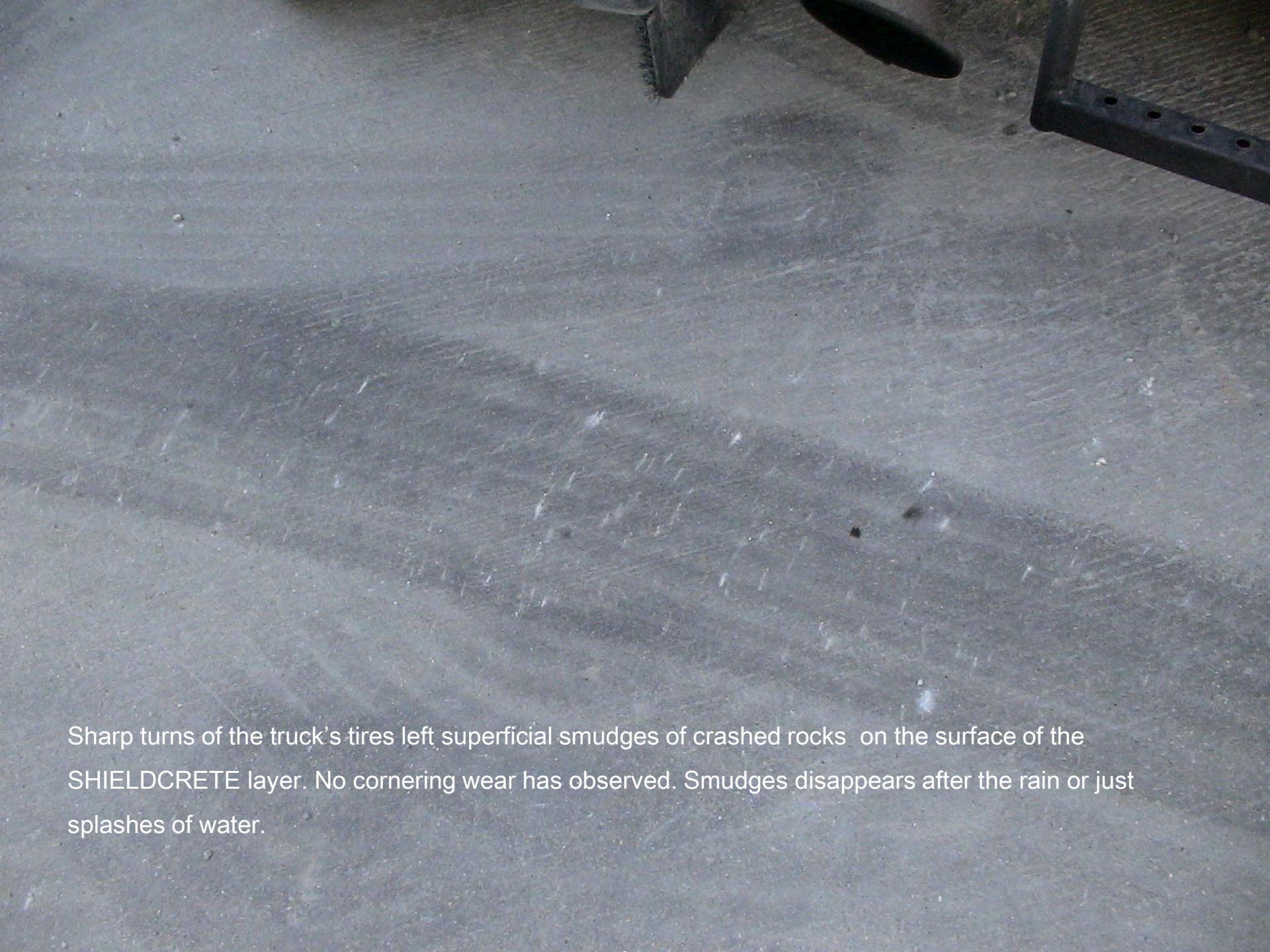
SHIELDCRETE layer has sharp edges without shrinkage and post-dilatation cracks after one year.





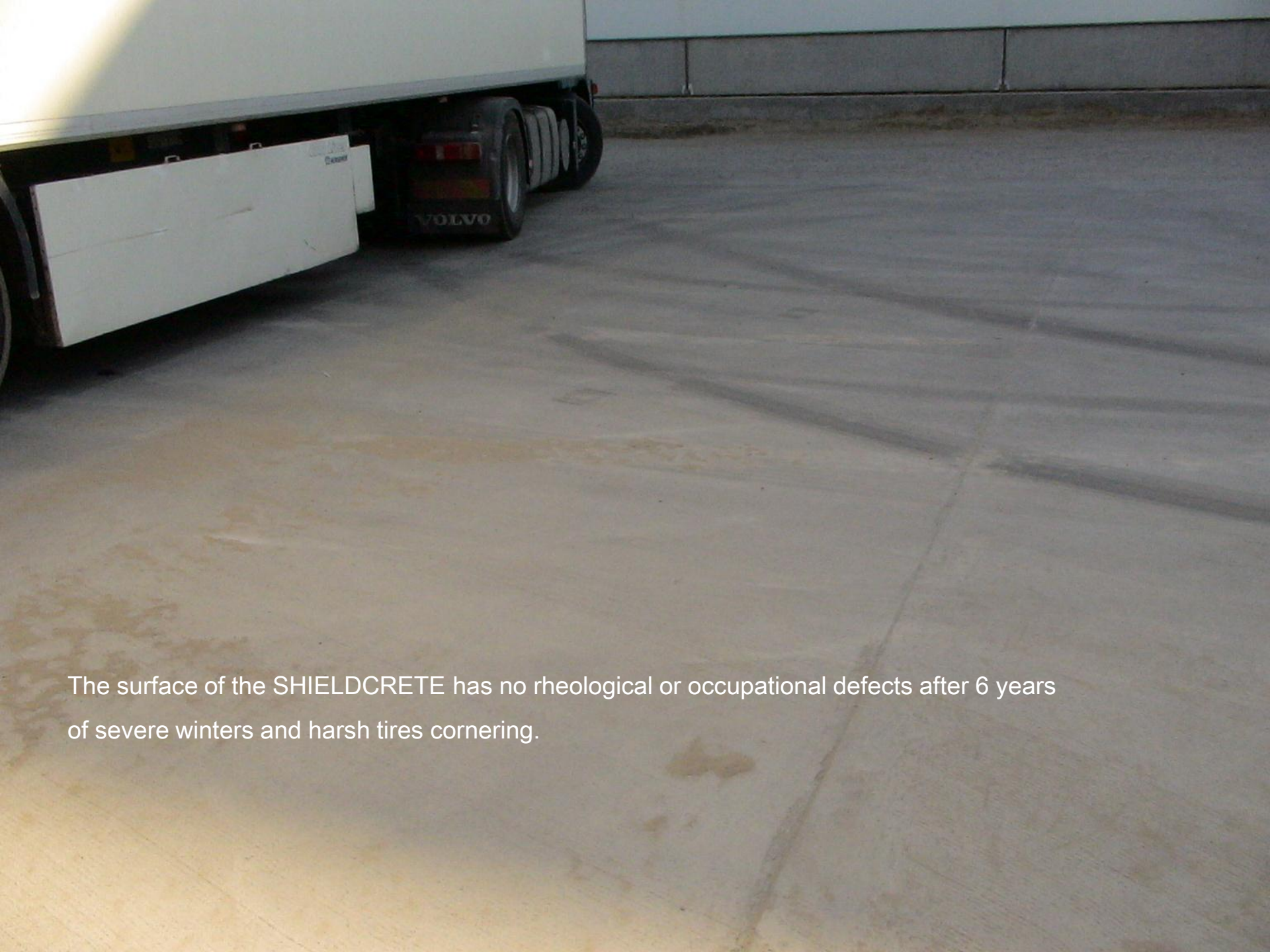
The surface of the SHIELDCRETE layer between two 40 m. tons trucks has no linear and radial tensional cracks after 6 years.





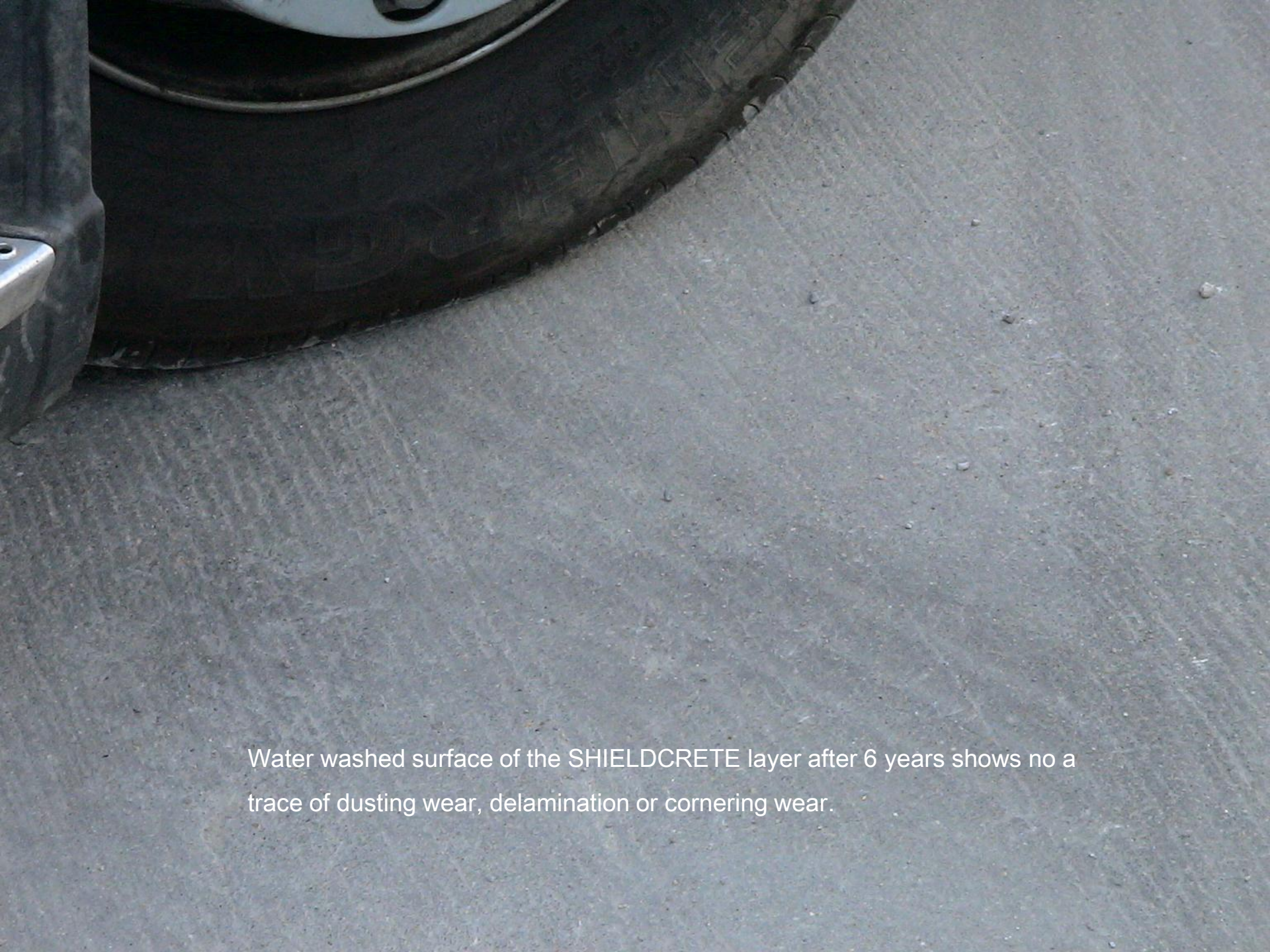
Sharp turns of the truck's tires left superficial smudges of crashed rocks on the surface of the SHIELDCRETE layer. No cornering wear has observed. Smudges disappears after the rain or just splashes of water.





The surface of the SHIELDCRETE has no rheological or occupational defects after 6 years of severe winters and harsh tires cornering.





Water washed surface of the SHIELDCRETE layer after 6 years shows no a trace of dusting wear, delamination or cornering wear.