



SteelSurf is a unique product developed by SteelPhalt for high stress applications.

It is designed to resist deformation caused by heavy loading of specialist vehicles used in steel ladle transport. It is also effective at maintaining surface stability under the slower-moving scrubbing action of heavy vehicle tyres.

Other heavy industries such as coal, electricity, ports and sugar manufacturing also use the product.

These same durable properties have since proved popular with Local Authorities for use in high-stressed locations such as road intersections and industrial estates.

South Yorkshire County Council was the first to adopt SteelSurf, and other surrounding highway authorities have followed suit.



SteelSurf Applications

- Urban Highways
- Warehouse Floors
- Steelworks
- Ports and Wharfs
- Mines and Yards
- Distribution Depots

SteelSurf Properties

- Rut resistant
- Skid resistant
- Durable even under extreme stress



High Stress Materials

SteelSurf has achieved excellent results in a number of applications, most notably:



Warehouse Floors

SteelSurf is highly suited for use on warehouse floors, which are subject to the sharp turning motion of mobile loading equipment and heavy loads during long periods, e.g. stacks of large paper rolls. SteelSurf achieves negligible chipping loss owing to its binder adhesion.



Steelworks

Owing to its high durability and resistance to deformation, SteelSurf has been successfully used in extremely high stress conditions such as steel mills. SteelSurf is proven to withstand the heavy axle loads and slow turning forces common in this environment.



Urban Highways

High volumes of slow-moving channelised traffic can cause premature road surface failure, a problem which several Local Authorities have solved by using SteelSurf. SteelSurf is proven to withstand the demands of the modern urban transportation network, because of its high durability and resistance to deformation.

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Interactive map

take a look at where our products have been used recently...
www.steelphalt.com/interactivemap

Standard 14mm SteelSurf achieves the following values when tested on a 50mm laboratory prepared slab.

45°C		60°C	
Rate of Rutting (mm/hr)	Rut Depth (mm)	Rate of Rutting (mm/hr)	Rut Depth (mm)
0.48	2.1	2.55	4.8

A full range of current values for all the SteelSurf products are available upon request.

