



Galvanising

GALVANISING

BISPLATE® structural grades can be readily galvanised. BISPLATE® wear grades are not suitable for galvanising.

BISPLATE® achieves sound and continuous galvanised coatings because they contain 0.20% Silicon, which is an optimal level for galvanising.

Galvanising does not affect the mechanical properties of BISPLATE® structural grades. However, there are some precautions & recommendations that should be taken into account when galvanising BISPLATE®.

- **DO NOT ACID DESCALE** to prepare the surface. Acid descaling can lead to hydrogen being absorbed into the steel, increasing the likelihood of hydrogen embrittlement.
- **To prepare the surface it is recommended to use grit/shot blasting.** This method not only ensures there is no hydrogen contamination it assists the galvanizing process by increasing the surface reactivity to molten zinc.
- Care should be taken when galvanizing BISPLATE® structures that contain severe internal stresses, such as those caused by large weldments, as liquid metal embrittlement may occur. In these cases, it may be appropriate to prototype test or attain the use of painted or sprayed coatings in place of galvanizing.