

31 July 2007

Brian Whelan
Active Platforms
38 Forge St Blacktown
NSW 2148

Dear Mr Whelan

Hilti HUS-H 12.5 screw anchor



The HUS-H screw anchor consists of a very coarse thread which 'undercuts' into the concrete. The working principal of the anchor is not friction but rather a keying effect which explains its ability to withstand relatively high loads.

The mean ultimate tensile resistance in 20MPa concrete, when the anchor is installed to a depth of 70mm is 22kN. This makes it the ideal anchor where failure of such anchorages would cause risk to human life.

As it is difficult to predict the wear on the thread during installation, Hilti recommends the anchor be used once only (not to be re-used).

For any further technical queries, please do not hesitate to contact me.

Regards,

Mark Esdaile BE (Civil)
Engineering Manager