

HoneRite Gold corrosion test demonstration



The test procedure outlined below, demonstrates the effectiveness of HoneRite Gold in protecting tools and machinery that come into contact with water and water splashes – typically when honing, sharpening and grinding woodworking tools, where water is used as the lubricant/coolant. The test is simple to replicate and results are quickly obtained.

Procedure

Take two identical pieces of steel or in this case two identical chisels manufactured by Stanley. Both chisels were new, and as purchased had a lacquer coating preventing rust to the steel surfaces.

The lacquer coating should be removed using a solvent or by means of an abrasive. The chisels shown were first cleaned with a coarse abrasive rubber block. This removed the majority of the lacquer. Cellulose thinners were then used to remove the remainder. The chisel blades were finally degreased with acetone, after which the steel was not touched. Each chisel is then wrapped in a triple layer of kitchen paper.

One wrapped chisel is wetted with plain tap water. The other is wetted with HoneRite Gold solution mixed to the correct strength. (40ml of HoneRite Gold to 960ml tap water to make 1 litre in total of solution.)

The chisels are then left overnight. After 24 hours, both chisels are unwrapped and the results are as shown in the photograph above. The chisel on the left has been wrapped in the 'water only' paper towel, which is also stained with rust. The chisel on the right is corrosion free and has been protected by the HoneRite Gold solution.