



# P R O D U C T P R O F I L E

## Zebra® Hardness Testing Sticks

### Prevent Coolant Pudding, Foam, and Rust

- Easy to use
- Dip in the coolant to match colors
- Results in 3 seconds
- 50 sticks per bottle will last one year per sump
- Non-hazardous
- A must for every shop

Metalworking fluid is formulated with water that lacks any minerals. However, tap water contains many. And, since your coolant only accumulates more minerals over time due to evaporation (more than 5% per day by volume), water hardness, if not addressed, can lead to problems.

**Coolant Split:** When a coolant split occurs, you will notice that there is a layer of pudding-like coolant floating on top of your sump. Your coolant concentrate is no longer in solution, and no longer a good tool for cooling or lubricating.



**Grease Formation:** Coolant, and any tramp oils forming on its surface, may turn into a grease layer. This layer is impossible to pick up using an oil skimmer and can block filters and hoses.



**Gummy and Soapy Residues:** These may form inside your machine and on all surfaces coolant comes in contact with. Machine equipment and parts integrity may be affected.



**Rust:** Can damage machine interior and cause premature part corrosion.



**Foaming:** This causes flooding of your machine sump as well as a rougher environment for oil skimming, and is caused by LOW hardness.



To avoid hardness related issues, check with your coolant supplier to verify what hardness range your coolant can withstand and keep it there. Many suppliers also carry a line of water softening or hardening agents, which you can add to the sump for correction. If water hardness poses a constant problem, consider an RO (reverse osmosis) water supply.

Part Number	XWT50
Description	Hardness Testing Sticks
Range	0-1000 ppm calcium carbonates and/or manesium

Zebra Skimmers Corporation  
27000 Richmond Rd, Unit 1  
Solon, OH 44139  
www.ZebraSkimmers.com

Toll-Free: 888-249-4855  
Phone: 440.349.0141  
Fax: 440.349.1211

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