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All national and regional code-making bodies have amended their plumbing code language to require anti-scald technology and a maximum water temperature of 120°F in all newly constructed residential units.

In all age groups, tap water scald injuries have been cited as the second most common cause of serious burn injuries. Accidental or non accidental (as in cases of child abuse), scald injuries often cover a large area of the body, leading to high rates of illness and death. Certain segments of the population are more susceptible to scald injuries, particularly children under 5 years of age, adults over 65 years of age and persons who are physically or mentally challenged.

PREVENTION OF TAP WATER SCALD INJURIES

The Consumer Product Safety Commission says that although most scald burns occur in the kitchen, the most severe scald burns are caused by water flowing into the tub or shower. More than 35,000 children, most of them 4 or younger, are treated each year in hospital emergency rooms for tap-water scald burns, according to the National Safe Kids Campaign

Scald Burn Temperature Chart
EXPOSURE TIME TO RECEIVE A SEVERE BURN

| Celsius Temperature | Fahrenheit Temperature | 2nd Degree Burn No Irreversible Damage | 3rd Degree Burn Full Thickness Injury |
|---------------------|------------------------|--|---------------------------------------|
| 45° | 113° | 2 hours | 3 hours |
| 47° | 116.6° | 20 minutes | 45 minutes |
| 48° | 118.4° | 15 minutes | 20 minutes |
| *49° | *120° | 8 minutes | 10 minutes |
| 51° | 124° | 2 minutes | 4.2 minutes |
| 55° | 131° | 17 seconds | 30 seconds |
| 60° | 140° | 3 seconds | 5 seconds |

The above table shows that a person will receive a second degree burn in 3 seconds of exposure and a third degree burn in 5 seconds of exposure to water of 140°F at the discharge outlet will ensure the most safety for users.

TapWaterThermometer™

This card is used to test your tap water temperature. It tests cold, warm, and hot water. The Tester will indicate the temperature of the water to show if the water has the potential to cause injury - >120F(40C).

Usage:

Run tap water on **Full Hot** for 2 minutes. Hold card by edge and place card under the running tap water. The indicator will show the water temperature range of the tap water. **Card is reusable after 2 minutes of non-use.**

Indicator shows at the following temperature ranges:

| Nothing: | Cold: | Warm: | Hot: |
|-----------|-----------|----------|-----------|
| <104F/40C | >104F/40C | 109F/43C | >120F/49C |