

STANDARDS

ANSI/ISEA

Z358.1

American National Standard
for Emergency Eyewash and
Shower Equipment

National consensus standard ANSI Z358.1 provides performance, safety, placement and testing details on emergency eyewash and shower equipment.

- * **Emergency eyewash and shower equipment should be available for immediate emergency use, but in no instance should it take longer than 10 seconds to reach the nearest facility.**

It is recognized that the average person covers a distance of approximately 55 ft. in 10 seconds when walking at a normal pace.

Equipment shall be in an accessible location and identified w/ highly visible signs.

- * **Delivered flushing fluid temperature shall be tepid,**
(Typical Range 60°F – 100°F).

Water that is too cold will inhibit someone from using the shower/eyewash for the full 15 minutes. Water that is too hot will cause additional damage to the eyes.

- * **Plumbed Emergency Showers & Eyewashes shall be activated weekly for a period long enough to verify operation and ensure that flushing fluid is available, and inspected annually for conformance to the standard.**



Each day about 2000 U.S. workers have a job-related eye injury that requires medical treatment. About one third of the injuries are treated in hospital emergency departments and more than 100 of these injuries result in one or more days of lost work.

(Retrieved from <http://www.cdc.gov/niosh/topics/eye/>)