



3M™ Speedglas™ Auto-Darkening Filters



The highly-respected Speedglas line of auto-darkening welding filters and products is now part of 3M.

See the Complete Catalog of Speedglas products or www.Speedglas.com for details.

Safety Products That Help Increase Your Performance

Now welders can see their work, at comfortable light levels, with constant eye and face protection. 3M™ Speedglas™ Filters turn dark the moment an arc is struck and transparent again when welding stops—all the time with full UV/IR protection.

Auto-darkening eliminates the neck-strain of “helmet nodding” while helping increase the accuracy of electrode placement.

This, in turn, helps reduce the need for grinding and rework. In addition, welders can get into tight, cramped spaces with full protection and have a clear view, making extremely awkward welds a lot easier.

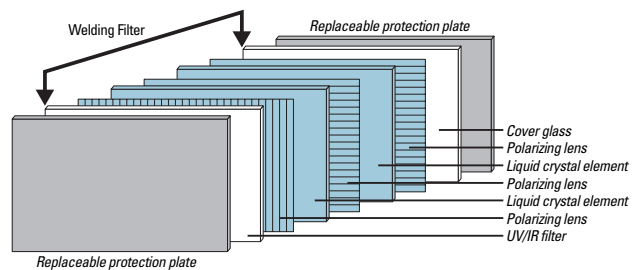


Constant UV/IR Protection:

This filter provides the same UV/IR filtration protection as a traditional, non-auto-darkening welding filter (as regulated by USA and Canadian welding safety standards).

How Auto-Darkening Safety Works

Each 3M™ Speedglas™ Auto-Darkening Filter (ADF) is a laminate of seven different layers: a UV/IR filter, three polarizers, two liquid crystal elements and a cover glass. The UV/IR filter continually blocks harmful radiation, whether the filter is ON, OFF, light or dark. Aided by surface-mounted electronics, the proprietary liquid crystal elements act as shutters that detect and react to the welding arc by instantly shading the filter. Meets ANSI Z87.1-2003 American National Standard Institute for eye and face protection.



Note: Because faceshields and welding shields can be raised from the normal position, ANSI Z87.1-2003 states that safety spectacles or goggles must be used in conjunction with these respirators.