

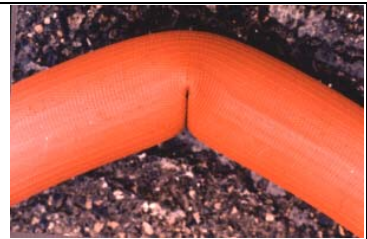
## Topic: Abrasion Resistance

The ability of a fire hose to resist damage from dragging and general wear and tear. Typical tests involve subjecting a sample to an abrasive grit or paper. BS6391 Type 3 demands that a 64mm covered hose achieves at least 90 double strokes.



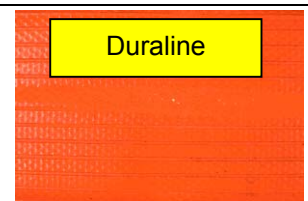
## Why is it important?

Fire hoses in use are subjected to dragging over rough, abrasive surfaces such as concrete and tarmac. Also should they kink, high spots are produced which subject the hose to excessive abrasion exposure. It is therefore essential the rubber of a fire hose is formulated for maximum abrasion resistance and is sufficiently thick. Adhesion between the rubber and the jacket also increase the abrasion resistance.



## How does Duraline perform?

Duraline has outstanding abrasion resistance and superior adhesion. Through a carefully formulated blend of PVC and nitrile rubber and a generous cover thickness, Duraline will achieve over 150 double strokes when subjected to the BS6391 type test. Equally important is Duraline's ability to resist kinking with its all nylon construction thereby preventing high spots arising.



## How do other hoses compare?

Many competitors' hoses, although looking similar to Duraline have significantly inferior abrasion resistance. For example, this hose failed BS6391 Type 3 requirements after only 52 double strokes.



## Other support data:

BS6391 - The standard for covered fire hose  
If it isn't Angus, it can't be Duraline - The Video  
Duraline - The World's Finest Fire Hose - Powerpoint Presentation  
BS6391 Type 3 Fire Hose Specification