



SUBJECT **Flashflood 500 - 45mm layflat hose**

DATE 14 March 2022

TO Operational personnel only

FROM Paul Turner, National Manager Response Capability

STATUS Information only

Action

Note that:

- Flashflood 500 - 45mm extruded hose is fully compliant with Fire and Emergency's requirements and is suitable for all operational use wherever a 45mm hose is required.
 - The dragging of **any** charged lay-flat hose while kinked on an abrasive surface (i.e. concrete or tar seal) is more likely to result in hose being punctured. Kinks should be removed from hose to improve water flow; this also significantly reduces the chance of hose damage.
 - There are operational conditions, from time to time, where pressure in hose lines can be low and kinking is more likely to occur. If this happens, **hose line pressures can be increased, by increasing pump pressures or slightly reducing nozzle flows.**
-

Background

- Fire and Emergency procured Flashflood 500 - 45mm extruded hose between 2018 to 2020.
 - Flashflood 500 is a lightweight 45mm hose. Its **lighter weight is considered advantageous, compared to some other brands used by Fire and Emergency.**
 - Concerns have been raised about the suitability of this hose, with a perception that it punctures more easily. **A further evaluation confirmed that the hose can be punctured under conditions of lower pressures and being dragged while kinked however, its' performance is comparable to other hose in service.**
 - Flashflood 500 45mm lay-flat hose is fit for purpose and meets the following National/International Standards and requirements:
 - E Hose 1 Extruded lay flat hose with New Zealand instantaneous couplings
 - BS 6391-2009 Specification for Non-Percolating Lay Flat Hoses
 - UL 19, Lined Fire Hose and Hose Assemblies
 - CAN/ULC-S511-07, Lined Fire Hose for Interior Standpipes and Municipal and Industrial Fire Protection Services
 - **The hose should be used as normal, with the expectation that it will have a shorter operational life than some other brands of lay-flat hose.**
-

End of Notice.
