

CSM VS TPU VS PVC COMPARISON



MFCInternational
by RESPIREX



Our water rescue range is available in Hypalon (CSM) and TPU materials. We often see PVC being used on the market and created a quick comparison to help customers make an informed decision based on their needs. Each material has its own strengths and is suited to different applications. Hypalon is renowned for its exceptional durability, UV resistance, and abrasion protection, making it ideal for harsh environments and frequent use. TPU offers a balance of flexibility, cost efficiency, and chemical resistance, making it a great choice for those needing a lightweight yet durable option. PVC, while the most budget-friendly, has limitations in longevity, chemical resistance and resistance to environmental factors.

PROPERTY	HYPALON (GLUED) ●	TPU (WELDED) ●	PVC (GLUED/ WELDED) ●
LONG-TERM DURABILITY	✓✓✓	✓✓	✓
LIGHTWEIGHT AND FLEXIBILITY	✓	✓✓	✓✓✓
HIGH ABRASION RESISTANCE	✓✓✓	✓✓✓	✓
REPAIRABILITY	✓✓✓	✓	✓✓✓
PURCHASING COST	£££	££	£
CHEMICAL RESISTANCE	✓✓✓	✓✓	✓✓
RESISTANCE IN COLD CONDITIONS	✓✓	✓✓✓	✓
UV RESISTANCE	✓✓✓	✓✓	✓
ENVIRONMENTAL IMPACT	✓✓	✓✓✓	✓