



Innovators - Developers - Manufacturers

Passive Fire Prevention Products



Contains fire for over 45 minutes

MOBILITY SCOOTER FIRE & SMOKE COVER



Dimensions:

875mm wide x 1650mm long x 1770mm high

Due to many fires & fatalities with the batteries overheating & burning, it has been essential to develop a cover where scooters are parked at night in home & corridors of flats etc.

The cover has been designed for quick and easy permanent fixing. Once fixed it is easy to open to get the scooter out & to put back and close at night.



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The Envirograf® mobility scooter cover test was requested by the Cheshire and Hampshire Fire & Rescue Service in order to overcome the problem faced by owners of mobility scooters.

Our prototype cover used twist locks at the front to seal the cover, but unfortunately this allowed a small amount of smoke to be emitted between the clips. The fire brigade suggested using zips to seal the cover, together with a ground sheet that can be fixed to the cover using velcro.

We have now designed and manufactured a new cover with these additions. During a further fire test, it was shown that the new design does not allow smoke to be emitted and that the damage to the scooter itself was minimal: only the battery and seat caught fire before the lack of oxygen caused it to extinguish itself. We also opened the front flap of the cover to see if allowing oxygen back in would cause it to reignite, but the fire did not relight.



Mobility scooter parked in new design cover



Front flap being opened to allow oxygen to enter the cover - note that fire did not reignite



The adjacent image is taken from the Dorset Fire & Rescue YouTube account, demonstrating the level of severity of an uncovered mobility scooter fire and also giving a good indication of the amount of smoke produced by this kind of fire.

The full video can be seen on YouTube by searching "Dorset Fire". More information and advice regarding fire safety can also be found on the Dorset Fire & Rescue homepage:

<http://www.dorsetfire.gov.uk/>



Damage to mobility scooter following Envirograf® fire test



Damage to mobility scooter following Dorset Fire & Rescue fire test, showing considerable damage to scooter

Fixing Instructions



1) Lay ground sheet flat where you want the cover to be.



2) Mark the fixings through the pre-cut holes in the ground sheet.



3) Lift the corners and drill the holes for fixing. Raw plugs and screws for concrete. Screw only for timber.



4) The frame comes folded. Just pull out and put into position over ground sheet. Lift up black squares to go over studs.



5) Screw the frame to the floor through the pre-cut holes in the ground sheet.



6) Starting from the back, lift the cover over the frame and slowly work your way forward.



7) Pull down so the flaps are flat against the ground sheet.



8) Attach the cover to the front feet using velcro.

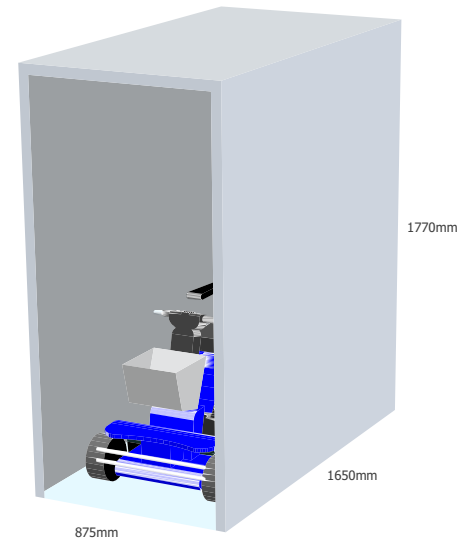


9) Side and rear sections of the flap can be attached to the ground sheet using the velcro strips.



10) There is a cable entry on both sides of the cover to put the mains feed through to plug into charger point (normally found on the handle bar).

Overall dimensions:

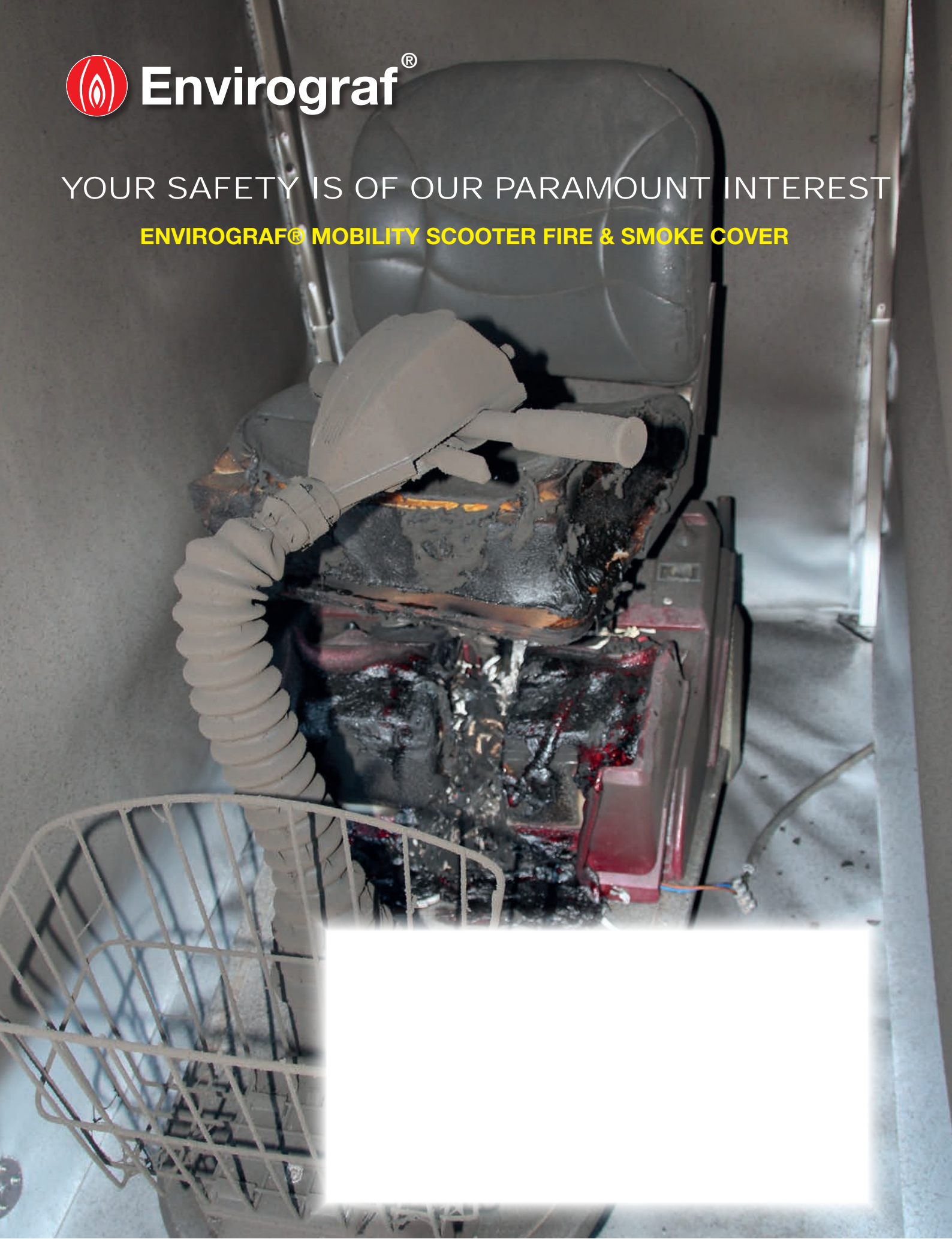


Please make sure that you have sufficient space to fix the cover.



YOUR SAFETY IS OF OUR PARAMOUNT INTEREST

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