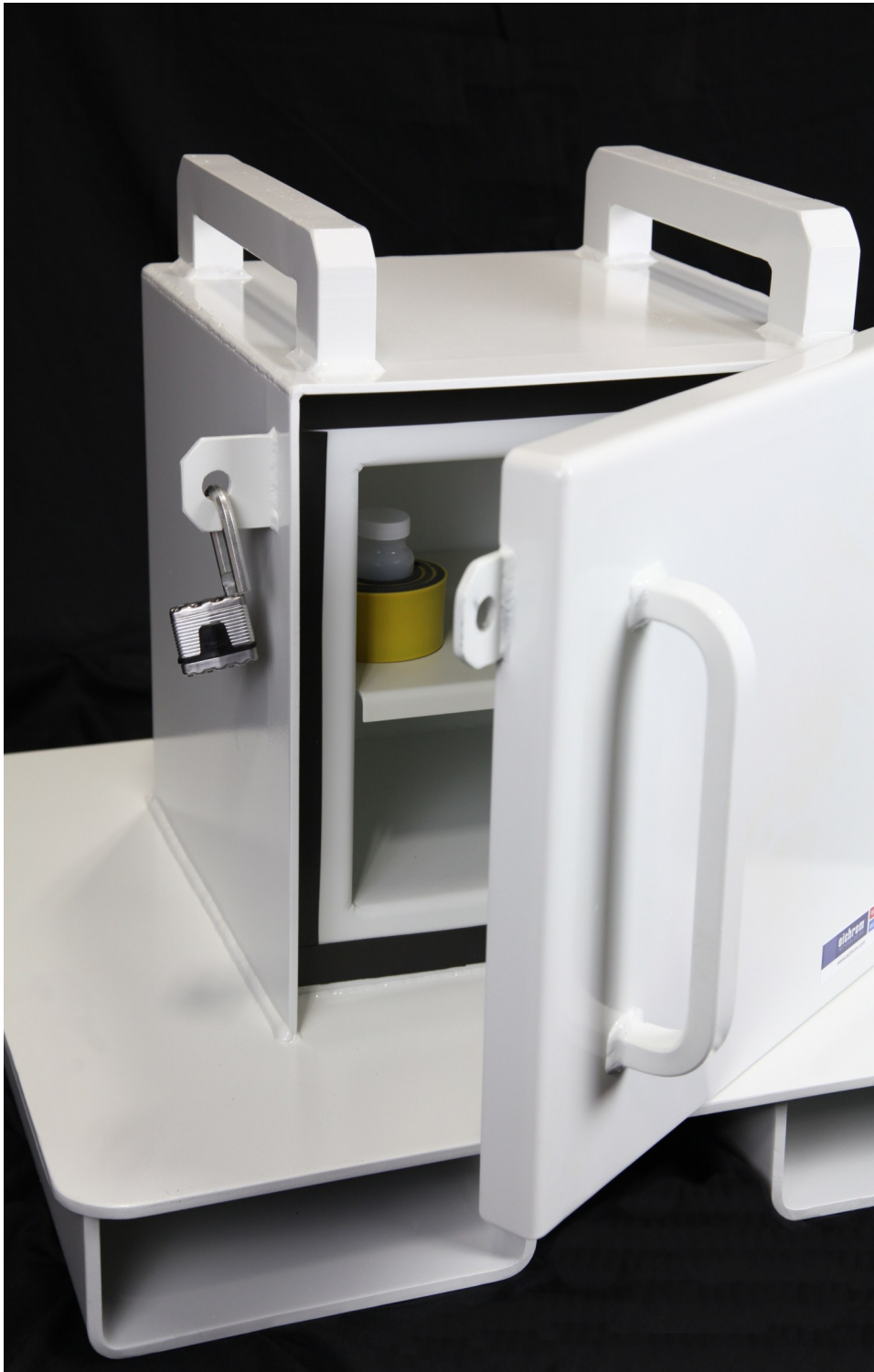


Contamination Control & Shielding for Laboratories

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-new-

Suitcase Shields and Shielded Storage Safes & Cabinets

- Vial Shields
- Bottle Shields
- Beaker Shields
- Suitcase Shields
- Shielded Safes
- Shielded Cabinets
- Sampling Smears
- PTFE Air Monitoring

Contamination Control & Shielding for Laboratories

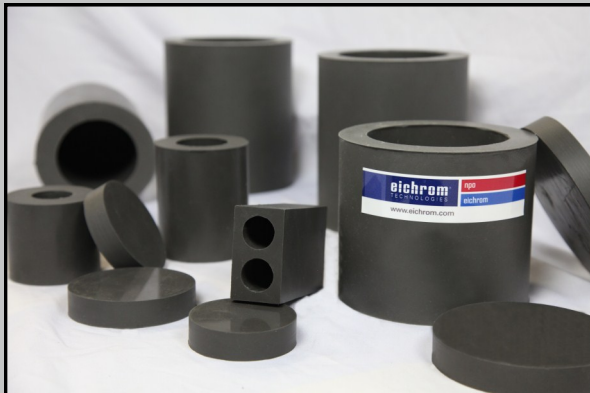
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sampling smears

Sampling Smears from Eichrom/NPO offer flexibility in format and use. In format, we offer our smears bulk-packaged as a 1 3/4" diameter cloth smear with a pressure sensitive backing. This backing allows for easy re-attachment and provides a "firmer" smear that users prefer. Also available are the same bulk smears glued onto 3-1/2" X 4-3/4" score fold record paper. The backing and smear can be removed together from the record paper and placed loosely in a planchet pan for analysis. Smears with record paper are shipped in boxes of 500 and bulk smears in boxes of 2500.



T-Flex[®] bottle shields

NPO's T-Flex products are ideal for applications that require custom moldable shapes along with flexibility, Custom sized bottle shields for resin sampling at nuclear power plants world wide.



suitcase shields

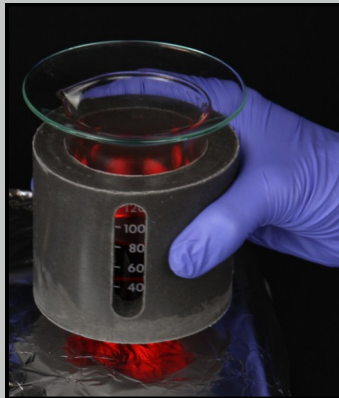
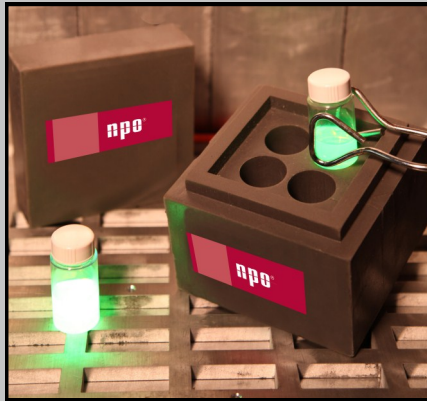
Those same bottle shields can then be incorporated in a customized shielded suitcase solution for a nuclear power plant in France.

The customer requested a package of shielding products that would fit within their custom built suitcases. They would then use the suitcases to wheel radioactive materials from the plant to the on-site laboratory.

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T-Flex[®] vial and beaker shields

Eichrom can also customize shielding for all your radioactive solutions in the laboratory, these include vials, bottles and beakers. By combining silicone with attenuating metals in a composite material, extremity dose is reduced.

Vial shields: store highly radioactive vials inside a customizable vial shield with available matching top shield. Also available with an integrated strap for transportation and protected storage of vials within a facility

Beaker shields: view liquid levels inside beaker during sample processing while with an observation window. Heat is directly transferred from hot plate to beaker with shield's open bottom. The T-Flex material is tested to 400°F/204°C.

PTFE air monitoring

Eichrom's Resolve[®] PTFE laminate filter is designed to minimize the spectra interference from radon/thoron daughters in air monitoring alpha spectroscopy systems. The PTFE filtration membrane minimizes airborne particulate penetration into the body of the filter. This increases the alpha emission efficiency and spectral resolution of the measured alpha spectroscopy. Filter quality is assured through a series of radiochemical and physical performance tests. A laminated, stiff polymeric backing minimizes any particulate losses due to sampling handling.



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Shielded storage safes and cabinets

Eichrom/NPO introduces a new line of laboratory grade safes and cabinets for the storage of radioactive materials. These units are purpose built for the nuclear industry with customizable amounts of shielding materials surrounding an interior storage area. The units are steel inside and out and then coated so there is no exposed lead or steel. The units are designed to be weather resistant to allow for outdoor usage. Door areas are sealed with a gasket to minimize any potential spread of radioactive materials.

