

**Package Type**

Designed as an Industrial Package (IP-2) in accordance with the IAEA SSR-6 2018 Regulations for the Safe Transport of Radioactive Material.

Certification

The NuSTORE® 4 metre Box (Design No 3852) has been certified as a non-fissile Industrial Package (IP-2) for the carriage of Low Specific Activity (LSA-I, II & III) or Surface Contaminated Objects (SCO-I, II & III) and has previously been approved as meeting CSC and ISO requirements for ISO Freight Containers.

Description

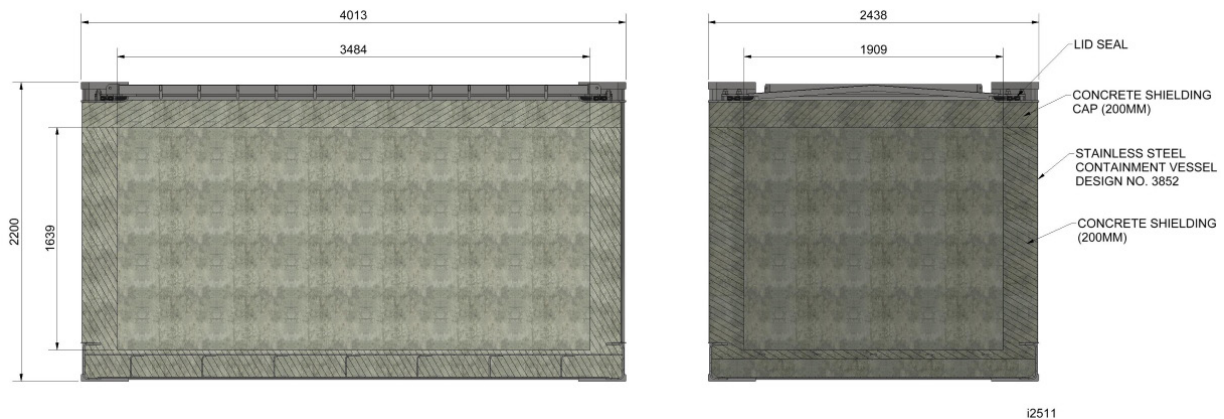
The NuSTORE® 3852 is large cavity stainless steel containment vessel with internal concrete shielding. The NuSTORE® 3852 has been designed as a self shielded storage, transport and disposal package for Intermediate Level Waste (ILW) that qualifies as either LSA or SCO.

The NuSTORE® 3852 is compatible with Nuclear Waste Services (NWS), formerly RWM, specification for the 4 metre box waste package and has been designed to accommodate ILW that is intended for disposal within a geological disposal facility. It is also designed to meet all current transport and disposal requirements after a period of extended on-site storage.

The NuSTORE® 3852 can be supplied in a range of shielding wall thicknesses, allowing optimisation against cavity volume for different activity contents.



Section through Package Design No 3852 (200mm shielding shown)



Containment / Shielding

- Stainless steel outer containment system, all welded construction with stainless steel removable outer transport lid with verifiable seals and bolted closure.
- Inner cast concrete shielded lid providing the equivalence of shielding to that of the container body.
- HEPA filtered vent in lid to allow gas release but prevent particulate release (option to seal the vent for transport).

Approved Contents

As a non-fissile Type IP the NuSTORE® 3852 is designed to carry solid radioactive materials that qualify as either LSA or SCO.

Modes of Transport

By road, rail and sea.

Physical Data

Component	4m Box Design No 3852		
Dimensions			
Shielding Thickness (mm)	100	200	300
External Dimensions (L x W x H) (mm)	4013 x 2438 x 2200		
Internal Dimensions (L x W x H) (mm)	3680 x 2110 x 1740	3480 x 1910 x 1640	3280 x 1710 x 1440
Internal Volume (m ³)	13.5	11.0	8.1
Weights			
Tare Weight (tonne)	17.5	22.5	29.5
Maximum Permitted Contents Weight (tonne)	47.5	42.5	35.5
Maximum Gross Weight of Package (including Contents) (tonne)	65		