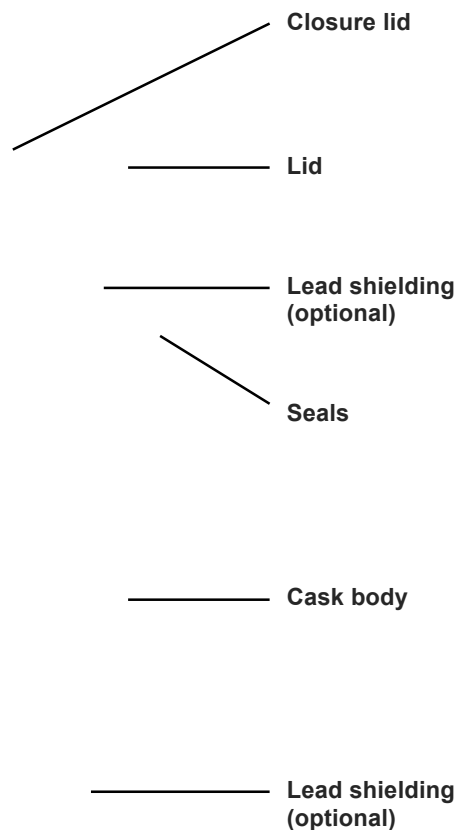


MOSAIK®

Transport and Storage Casks for ILW



DESCRIPTION

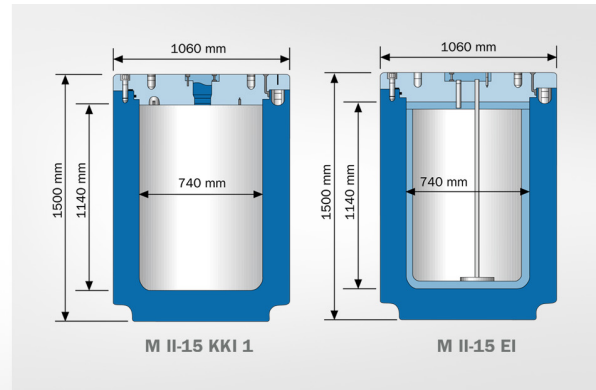
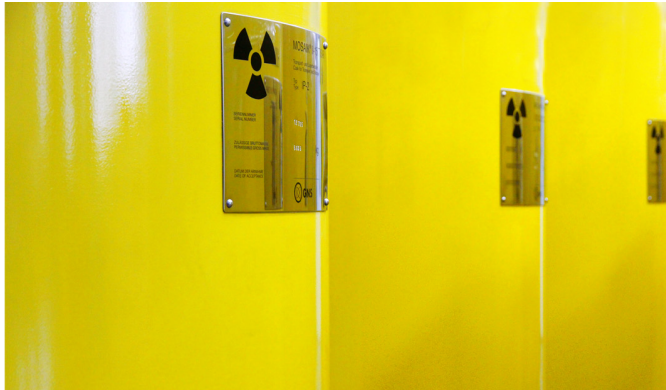
GNS develops and markets MOSAIK® casks made of ductile cast iron for Intermediate Level Waste occurring during the operation and shutting down of nuclear facilities. The MOSAIK® casks are designed as transport and storage casks for e.g. core components and for conditioning of ion exchange resins or evaporator concentrate. As the casks are equipped with the respective necessary connections, waste can be directly conditioned inside MOSAIK® casks with methods and facilities developed by GNS so as to be suitable for final disposal.

To accommodate various kinds of waste, the cask types have different volumes, wall thicknesses or lid systems and may have additional lead shielding, extraction systems and filter systems. These are the main features of the particular versatility of the MOSAIK® concept. For transport in accordance with ADR* MOSAIK® casks are available with Type B(U) approval certificate or casks which are used as containers for IP-2 packages.

* European accord for international transport of dangerous goods on the road (Accord Européen relatif au transport international des marchandises dangereuses en route)

MOSAIK®

Transport and Storage Casks for ILW



MOSAIK®	M II-10 T	M II-12 T	M II-15 KKI 1	M II-15 EI	M II-15 UEI *
	Type IP-2	Type IP-2	Type IP-2	Type B (U)	
Outer height (mm)	1500				
Outer diameter (mm)	1060				
Internal height max. (mm)	1220		1140		
Internal diameter (mm)	860	820	740		
Wall thickness (mm)	100	120	160		
Lead shielding min. – max. (mm)	–	–	–	0 – 120	
Empty weight approx. (kg)	4300	4700	5730	5730 – 9230	
Volume max. (dm ³)	690	620	490	165 – 490	
Compatible with	FAFNIR MAVAK NEWA FAVORIT TROFA	FAFNIR MAVAK NEWA FAVORIT TROFA	Siemens Drying Facility	FAFNIR MAVAK NEWA FAVORIT TROFA	KETRA FAVORIT TROFA
Options	Baffle plate Suction device	Baffle plate Suction device		Baffle plate Suction device	

*Under water loading