



Presents the

**BlastGard® MTR Models 91 and 101
BLAST MITIGATING AND BLAST RESISTANT
WASTE RECEPTACLE**

CONFIDENTIAL TECHNICAL PRODUCT SPECIFICATIONS

**BLAST RESISTANCE AND
MITIGATION CAPABILITIES:**

QUALIFIED EXPLOSIVE TESTS AT MULTIPLE
CENTER MIDPOINT PLUS SIDEWALL AND BOTTOM
CONTACT POSITIONS COMPLETED AT REDSTONE
ARSENAL IN HUNTSVILLE, AL

GENERAL INFORMATION:

BODY : 100% WELDED CONSTRUCTION
USING AUTOMATIC MIG VERTICAL SEAM
WELDERS AND MANUAL MIG CIRCULAR WELDS

EXTERIOR DIMENSIONS : 30" OUTSIDE DIAMETER
40 GALLON -56" HEIGHT WITH BLASTWRAP® TOP
IN PLACE, 35 GALLON HEIGHT IS 52" WITH TOP
PLUS UP TO 1 ½" LEG EXTENSIONS ALL MODELS

INTERIOR DIMENSIONS : 40 GALLON - 22" ID AND 31.5" INSIDE HEIGHT
35 GALLON – 22' ID AND 27.5" INSIDE HEIGHT

PLASTIC LINER : NOMINAL 35 AND 40 GALLON CAPACITIES
MADE WITH FRANGIBLE POLYETHYLENE

MATERIALS

**EXTERIOR WALL,
EXTERIOR BOTTOM,
INTERIOR BOTTOM
INTERIOR WALL** : GALVANIZED ASTM A-569 STEEL

EXTERIOR WALL STANDARD : WILSONART® VERTICAL GRADE POST FORMING
PLASTIC LAMINATE OVER GALVANIZED STEEL

EXTERIOR WALL OPTIONS	: BRUSHED FINISH STAINLESS STEEL URETHANE PAINTING OVER GALVANIZED STEEL WITH ANTI-GRAFFITI UVR COATING
BLAST ABSORBING LAYERS IN TRIPLE WALL CONFIGURATION	: SPECIFIED DUCTILE ASTM STEELS WITH PATENTED BLAST ABSORBING OPEN CELL MATRIX INCLUDING RECYCLED MATERIALS AND OTHER PATENTED “COTS” ADDITIVES
ANCHOR	: 304 STAINLESS STEEL ANCHOR – ½” DIAMETER PATENTED SINGLE POINT CONFIGURATION
LEVELING FEET	: 1/2” DIAMETER PLATED STEEL ROD ON THERMOSET PLASTIC BASE - ADJUSTABLE
BLASTWRAP™ PASSIVE BLAST MITIGATING TECHNOLOGY	: -UNIQUE PATENTED COMBINATION OF MECHANICAL AND THERMAL BLAST EFFECTS MANAGEMENT THAT DRAMATICALLY MITIGATES SHOCK IMPULSE AND PEAK PRESSURE AND INSTANTLY QUENCHES BLAST FIREBALL IN A VERY LIGHT, FLEXIBLE AND DURABLE PACKAGE OF “GREEN” AND “COTS” MATERIALS. -BLAST WRAP® DOES NOT DETERIORATE FROM EXPOSURE TO AIR OR MOISTURE IN THE AIR. -BLAST WRAP® REMAINS EFFECTIVE AT ANY AMBIENT TEMPERATURE

PERFORMANCE FACTORS

PEAK OPERATING RANGE OF BLAST ABSORBING MATRIX	: MINIMUM -22C (-7.6F) TO MAXIMUM +67C (153F)
EXTENDED RANGE FOR PERFORMANCE OF BLAST ABSORBING MATRIX	: MINIMUM -22C (-7.6F) TO MAXIMUM +70C (158F)
DEGRADATION WITH TIME, TEMPERATURE, CHEMICALS, OR FIRE	: - NO PERFORMANCE DEGRADATION OVER TIME OCCURS AS LONG AS UNIT IS NOT SUBJECT TO AMBIENT TEMPERATURES ABOVE 70C (158F). - AMBIENT TEMPERATURES BELOW -22C (-7.6F) DECREASE EFFECTIVENESS OF BLAST ABSORBING MEDIUM TEMPORARILY BUT MATRIX RESUMES PEAK RESILENCE WHEN AMBIENT RISES ABOVE -22C (-7.6F) - THERE IS NO EVAPORATION OF MOISTURE

POTENTIAL IN THE BLAST ABSORBING MATRIX THAT COULD DETERIORATE ITS EFFECTIVENESS

- THE BLAST ABSORBING MATRIX IS TOTALLY CONTAINED WITHIN A 100% WELDED STEEL CONSTRUCTION DEPRIVED OF OXYGEN FOR COMBUSTION AND SHOULD NOT PRESENT A HAZARD. THE FLASH POINT OF LESS THAN 5% OF VOLUME IS ABOVE 288C (550F). THE FLASH POINT OF 10% OF VOLUME IS ABOVE 344C (650F)

EXPOSURE TO DEGRADING PHENOMENA AND OTHER INFORMATION

- : -IMMERSION IN WATER MAY CHANGE STEEL PROPERTIES AND EFFECT OPERATION
- CONTINUOUS EXPOSURE TO SALT SPRAY DEGRADATION MAY BE MINIMIZED BY USE OF STAINLESS STEEL EXTERIOR AND ROUTINE MAINTENANCE OF GALVANIZED STEEL
- ULTRAVIOLET RAYS FADE LAMINATES
- THE BLAST MITIGATING COVER WHICH IS MADE WITH UVR PLASTIC WILL FADE OVER LONG PERIODS OF AIR AND SUN EXPOSURE BUT MAY BE MAINTAINED WITH COMMERCIALY AVAILABLE PLASTIC RESTORING PRODUCTS
- LACQUER THINNER IS USED TO REMOVE LAMINATES AND WILL BREAK GLUE BOND
- PAINTED SURFACES WILL SCRATCH AND MAR FROM CONTACT WITH HARD OBJECTS
- ANTI GRAFITTI COATING IS INSENSITIVE TO ULTRAVIOLET RAYS AND DOES NOT FADE COLOR COAT BELOW
- STAINLESS STEEL OUTER SURFACES NEED TO BE CLEANED TO MAINTAIN APPEARANCE
- OTHER CHEMICAL EXPOSURE DEGRADATION OR REACTION, IF ANY, IS UNKNOWN AT THIS TIME