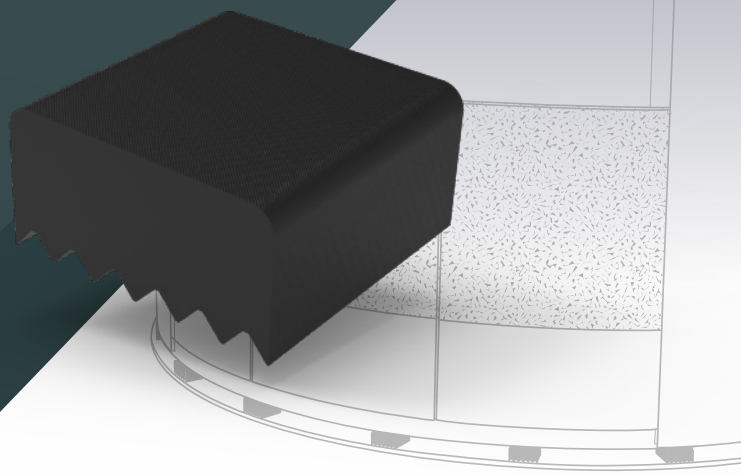
INTEGRITY PRODUCTS

TECHNICAL DATA SHEET

Tank Chime Spacer

Patented



PRODUCT DESCRIPTION

Typically any insulated storage tank is susceptible to corrosion under insulation (CUI) and tank failures. The problem begins when moisture ingress in the storage tank's insulation moves vertically down alongside the tank shell, collecting at the bottom over the tank chime, around the shell plate and the weld joints. With the absence of any drain points or stand-offs, the moisture is trapped, causing CUI and costly failures. Integrity Products Tank Chimes Spacer is designed to create a horizontal (i.e. alongside bottom plate axis) stand-off between the storage tank chime and the edge of the insulation to allow drainage of the accumulated or trapped moisture before it can cause significant corrosion on the chimes and weld joints. This also provides access for NDE/NDT companies to perform visual and mechanical inspections

PRODUCT APPLICATION

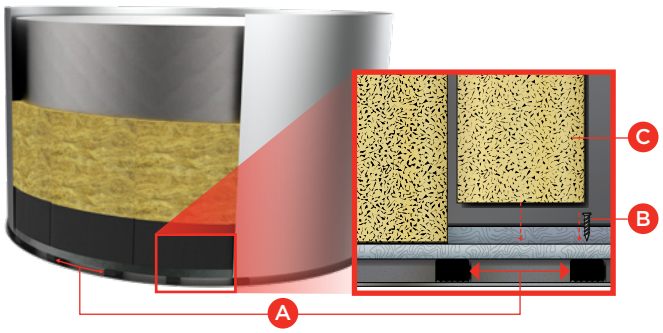
Integrity Products Tank Chimes Spacer's are solid blocks made from a high temperature silicone rubber and placed over the tank's chime. A set of Integrity Products Tank Chimes Spacer is required around the circumference to achieve the structural integrity of insulation and maintain a consistent gap between the insulation and chime. This Spacer system is designed for a wide range of insulated storage tanks in both new construction and maintenance.

MATERIAL SPECIFICATIONS

MATERIAL(S)	TENSILE STRENGTH	THERMAL SHRINKAGE
High Temperature Silicone	7 MPa	1.1%
COLOR	**ELONGATION**	**TEMPERATURE RANGE**
Black	270–350%	-40°F to 464°F (-40°C to 240°C)
DENSITY	**COMPRESSION SET**	
1.2 g/cm^3	59%	

INSTALLATION

The Integrity Tank Chime Spacer's is installed every 12" around the circumference of the base of the insulated tank. Each Spacer is 3" x 3" x 1.5" and screwed into the insulation base channel to avoid movement and maintain a unified air gap.



A install tank chime spacer every 12"

B screw spacer into insulation base channel

C place insulation into channel above the screwed in spacer