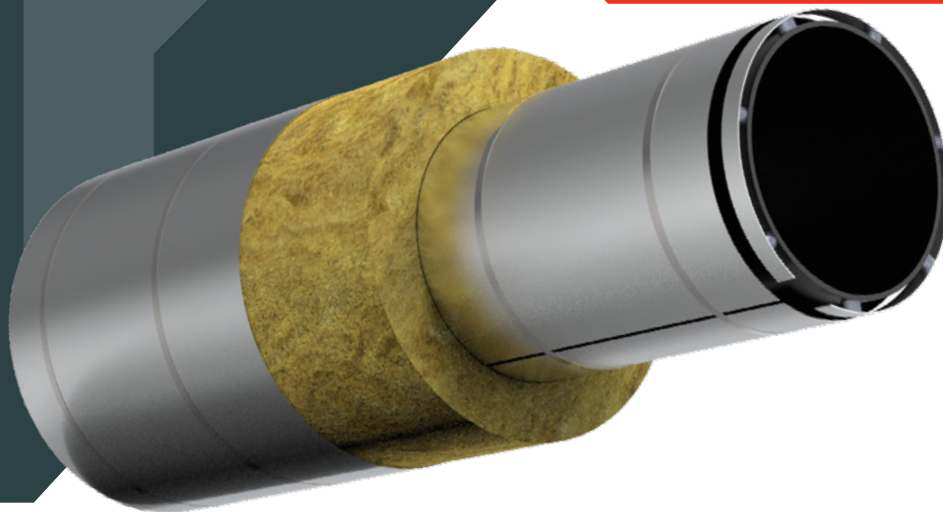


INTEGRITY PRODUCTS

MICA

HIGH TEMP.

Spacer Ring



Integrity's Mica Spacer Ring is used in conjunction with standard metal cladding to establish a non contact insulation system for High Temperature applications. The Mica Spacer Ring establishes a 1/2" standoff between the process pipe and the insulation. The inner cladding ensures complete separation of the insulation from the process pipe and should be installed with 1/2" opening on the longitudinal joint. This allows any moisture a path to drain from the pipe surface assisting in mitigating Corrosion Under Insulation (CUI).

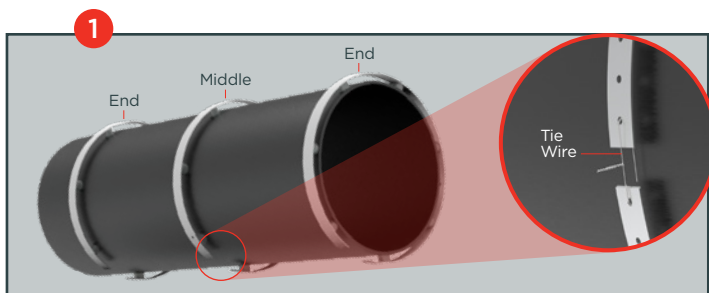


Always wear appropriate PPE (personal protective equipment) which conforms to applicable work safe standards.

TOOLS REQUIRED:



TIE WIRE



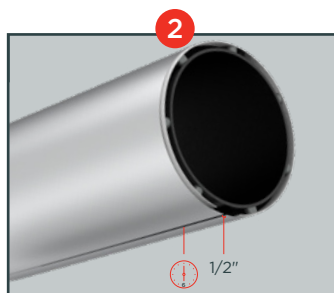
STEP 1

Install Integrity's Mica Spacer Rings around the process pipe and secure into place using tie wire inserted through the holes located at each end. Twist the tie wire to tightly secure the Spacer Ring into place. Place Mica Spacer Rings such that they are supporting the inner cladding piece at both ends and the center point.

This ensures the inner metal cladding is fully supported by the Mica Spacer Rings.

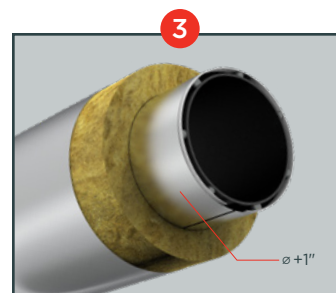
Continue with this process along the pipe.

Note: The end spacer ring is utilized as the first spacer ring on the subsequent pieces of inner cladding.



STEP 2

Install inner cladding ensuring the longitudinal joint is at the 6 o'clock position and a 1/2" gap is maintained. Secure into place with stainless steel banding. Overlap each piece by a minimum of 1" and secure into place with stainless steel banding. Each piece of the inner cladding is now entirely supported by the Mica Spacer rings.



STEP 3

Install the insulation and metal cladding as per usual.

Note: The addition of the Mica Spacer Ring adds 1" to the pipe diameter which needs to be accounted for when selecting the insulation and cladding sizes.

RECOMMENDED SPACERS FOR PIPE SIZES

NOMINAL PIPE SIZE (")	1	2	3	4	6	8	10	12	14	16	18	20	22	24	30
NUMBER OF SPACERS	3	4	4	4	5	6	6	6	7	7	8	8	9	9	10