Rohrisolierung Typ MW20

Mineralwolle mit Aluminium-Ummatelung, DN10 ... DN200

» Hochtemperatur-Wärmeisolierung für Rohrleitungen und Armaturen

» mechanisch stabil, geringe Wasseraufnahme, hohe Brandklasse, geeignet für industrielle Wärmedämmung

für hohe Temperaturen; große Dichte für starke mechanische Beanspruchungen; sehr geringe Wasseraufnahme; Zertifikat für Brandschutz nach EN 13381-3: 2015; Rohrschalen sind für alle Standardrohrgrößen ausgelegt

Material: Mineralwolle mit Aluminium Ummantelung
Temperatur: Medium bis 700 °C
Isolierdicke: 20 / 40 / 60 mm (weitere auf Anfrage)

Pipe insulation Type MW20

Mineral wool with aluminum sheathing, DN10 ... DN200

» high temperature thermal insulation for pipes and industrial valves

» mechanically stable, low water absorption, high fire class, suitable for industrial thermal insulation

suitable for high temperatures, high density for strong mechanical loads; very low water absorption; system certificate for fire protection according to EN 13381-3:2015; pipe sections are designed to fit all standard pipe size

Material: mineral wool with aluminum foil sheathing
Temperature: medium up to 700 °C
Material thickness: 20 / 40 / 60 mm (more on request)

Technische Daten / Technical specifications

Dichte / Density:	190 kg/m³	EN 1602 & 13470						
Wärmeleitfähigkeit / thermal conductivity		EN 12667						
Temperatur / temperature [°C]:	50	100	200	300	400	500	600	700
Wärmeleitfähigkeit / thermal conductivity [W/mK]:	0,044	0,048	0,059	0,073	0,091	0,113	0,138	0,167
Rohr Nennweite / pipe diameter: Isolierdicke / insulation thickness:	15 ... 612 mm 15 ... 200 mm	< 150 mm: MW-EN 14308-T8 ≥ 150 mm: MW-EN 14303-T9						
Temperatur / temperature Medium: Aluminium Seite / alu side:	≤ 700 °C ≤ 100 °C	EN 14707:2005						
Spezifische Wärmekapazität / specific heat capacity (c_d):	800 J/kgK							
kurzfristige Wasseraufnahme (W_p) WS / short term water absorbtion (W_p) WS:	<<1 kg/m²	EN 1609						
Druckbelastung bei 10% Verformung (σ_{10}) CS (10) / compressive stress at 10% deformation (σ_{10}) CS (10)	≥ 80 kPa	EN 826						
Brandverhalten / behaviour in fire nicht laminiert / unlaminated: laminiert / laminated with alu foil:	 $A1_l$ $A2_l$ –s1, d0	EN 13501-1						
Schmelztemperatur / melting temperature:	≥ 1000 °C	DIN 4102						

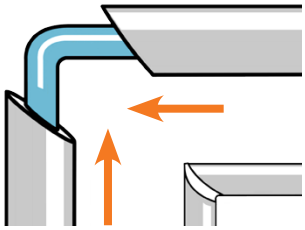
Optionale Komponenten

» Winkelisolierungen
» Isolierboxen für viele Arten von Armaturen und Flanschen in Standardgrößen
» kundenspezifische Dichte der Mineralwollisolierung
» andere Isolierdicken

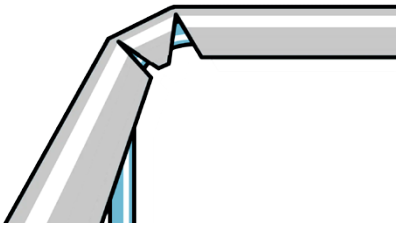
Optional components

» insulation elbows
» insulation boxes for many types of fittings and flanges in standard sizes
» custom density of mineral wool insulation
» different insulation thicknesses

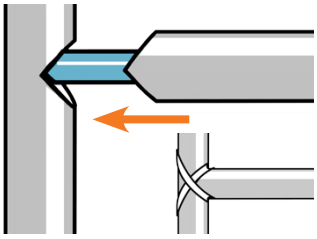
Installationsanleitung / Installation instructions



For a small radius of up to 2 cm, a 90° wedge is cut out of the **MW20** using the miter box. Do not cut all the way through the insulation. The miter box specifies the correct cutting depth.



For even larger radii, two or three wedges should be cut out. The **MW20** can be adapted to any radius using the distances between the wedge cutouts.

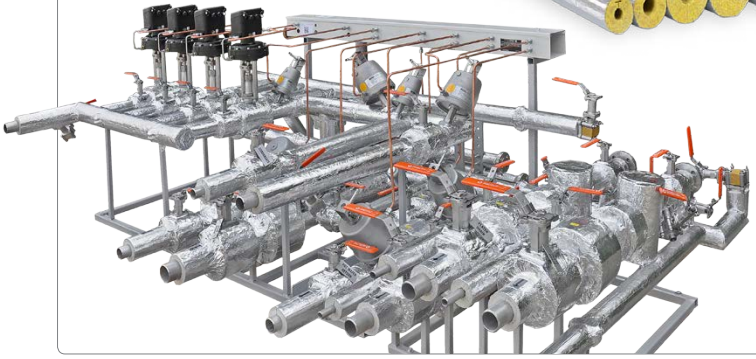


Place the continuous pipe in the miter box with the longitudinal slot facing up. Then cut a wedge cutout at a 90° angle up to the center of the hose. Now connect both ends together so that the sharpened end fits exactly into the wedge.

Finally, glue the connection with suitable adhesive tape. All connections must be glued several times with adhesive tape. The longitudinal seams must also be glued with **IFS MW20K** adhesive tape.

IFS MW20K
Aluminiumklebeband / aluminum adhesive tape
50 m × 50 mm

IFS MW20
DN10 ... DN200



thermally insulated steam / piping packages for tire curing presses