NORSOK CLASS 1 / Heat Conservation
The purpose is to reduce heat losses and to maintain temperatures for the efficient operation of the process.

NORSOK CLASS 2 / Cold medium Conservation
The purpose is to maintain low temperature and control heat input in the process.
NORSOK CLASS 3  /  Personal protection
Surfaces with operating temperatures below -10°C or above 70°C and are confined to a distance of not more than 2,1 m vertically and 0,8 m horizontally away from walkways and normal working areas shall be guarded by screens. Insulation shall only be used where guards are not practical.

NORSOK CLASS 4  /  Frost protection
Insulation/heat tracing to prevent freezing, solidification and condensation.
NORSOK CLASS 5  /  Fire proofing
The purpose is to reduce the heat input and limit the temperature to 400°C on piping, vessels and equipment in a hydrocarbon fire situation. Fire proofing according to any other fire scenarios shall be specified in each project.

NORSOK CLASS 6 V.1  /  Acoustic insulation
Reduction of noise in the area 500-2000 Hz by 10 dB.
NORSOK CLASS 7 V.1 / Acoustic insulation
Reduction of noise in the area 500-2000 Hz by 20 dB.

NORSOK CLASS 8 V.1 / Acoustic insulation
Reduction of noise in the area 500-2000 Hz by 30 dB.
NORSOK CLASS 9 / External condensation and icing protection

The purpose is to prevent condensation on piping and equipment with operation temperatures below ambient temperatures.

Weather exposed area insulation box / Weather protected area insulation jacket

Temperature / Material
Material according to NORSOK CLASS 1-9