We spend 90% of our time inside buildings and air quality both outside and inside buildings is becoming increasingly important.

That is why we are working to ensure our products are contributing to the good health of all buildings with good indoor air quality a key priority.

Insulation can also contribute significantly to the reduction of outdoor concentrations of air pollutants. Independent research commissioned by the European Insulation Manufacturers Association (Eurima) found that reduced outdoor concentrations of air pollutants could be achieved by improving the insulation of buildings.1

Using a model based on an annual retrofit rate of 2% across 25 European countries from 2005 to 2020 — compared with a business-as-usual scenario — the survey found that in North Western Europe, for example, particle matter could be cut by up to 9% and sulphur dioxide by 6.3%.

The Eurima study also concluded that 78,678 life years could be gained across Europe every year with 7,173 cases of persistent chronic bronchitis avoided annually. The saved health costs to society could total €6.64 billion every year.

1 EURIMA publication, 29 October 2015, Influence of Increased Insulation Levels on Regional Air-Quality

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**OUR MINERAL WOOL WITH ECOSE MEETS THE HIGHEST REQUIREMENTS IN TERMS OF INDOOR AIR QUALITY EMISSIONS**

Our Mineral Wool with ECOSE Technology is manufactured without the use of formaldehyde-based substances which not only makes our manufacturing and work sites great places to work but it has also enabled us to receive the highest Gold certification by Eurofins for Indoor Air Quality emissions criteria. Compliance with this criteria means that our ECOSE products meet the most stringent regulations in EU countries. Furthermore our ECOSE products successfully pass criteria by voluntary VOC emissions certification schemes such as the Blau Engel in Germany or the Finnish M1 label.

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**WE CONTRIBUTE TO GREEN BUILDING RATING SYSTEMS EXPERTISE**

From 2016 there has been increasing emphasis on indoor air quality and emissions in new versions of Green Building Rating Systems such as LEED and BREEAM. Knauf Insulation has been contributing expertise to these systems. For example, we presented the criteria for indoor quality for LEEDv4 during the annual European technical workshop for the industry to demonstrate the positive advantages of ECOSE technology. We also sponsored the event.

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**WE ARE LEADERS IN U.S. INDOOR AIR QUALITY CERTIFICATION**

We were the first insulation manufacturer in North America to meet rigorous air quality and emissions requirements leading to certification from the GREENGUARD Environmental Institute in 2001. When Greenguard launched Children & Schools Certification in 2005, once again our products were certified to this more demanding standard. Today our ECOSE Technology continues to build on this pioneering tradition. Knauf EcoBatt insulation with ECOSE Technology is certified formaldehyde-free by GREENGUARD.