

# Unique Features and Benefits

ROCKWOOL Safe'n'Silent solution is made up of galvanized steel stud frames lined with gypsum, cement or calcium silicate boards on each sides of the frames and the Safe'n'Silent Pro acoustic insulation inside the cavity of the wall system; giving an excellent overall noise absorption performance.

Safe'n'Silent Pro is a nature-based insulation made of volcanic stone, a safe and sustainable material that continues to perform and lasts throughout the lifetime of the building. It is a product that harnesses the power from the earth's volcano to spin wool out of stone into superior quality stone wool with a unique range of benefits.

## Fire protection

Few insulation can take the heat like we do – with the ability to withstand temperatures of over 1000°C without melting according to DIN 4102-17. Safe'n'Silent Pro is non-combustible and achieves the highest European fire classification, A1, according to EN13501-1.

This means that it can effectively impede the spread of fire and provides the critical extra minutes for occupants to escape from a room or building. With its fire retardant properties, Safe'n'Silent Pro also does not contribute to fire load within the building and complies with ASTM E84-10 to achieve Flame Spread '0' and Smoke Development '5' that surpass NFPA Class A requirement.

## Fast and easy installation

Safe'n'Silent Pro is fast and easy to install, helping to reduce the time taken and labour needed for installation work, hence increasing overall speed of construction.

**Working with Safe'n'Silent Pro is easy and can be done in 3 simple steps:**



It is also simple to cut Safe'n'Silent Pro to size with a serrated knife, for a fast and easy installation between studs, around electrical boxes, pipes, wiring, ductwork and even between studs and joists of non-standard widths.



### Water repellency

Safe'n'Silent Pro is both water repellent and moisture resistant (tested under EN1609). The product repels water even when exposed to temporary splashing of rain water at construction site and still able to maintain its shape over time; thereby delivering maximum noise and fire protection.

Moisture and nutrients are necessary conditions for fungal growth. Since more than 95% of this product is made up of inorganic fibres, there is little nutrient source to allow fungal growth. Hence, it does not cause corrosion of the metal studs nor promote fungi growth within the wall cavity.

### Sag free & tight fit

The very nature of stone wool makes Safe'n'Silent Pro a wise long term investment that works continuously without requiring any maintenance. The higher density material provides superior sag resistance and fit. It can be easily cut and trimmed for the best possible fit into the partition wall cavity, assuring there will be no gaps that may compromise the performance of the system. Safe'n'Silent Pro keeps its shape over time without sagging or slumping in the wall cavity. All these ensure a partition wall system that protects its occupants against noise and fire for the lifetime of the building.



Conventional insulation



Safe'n'Silent Pro