

Rail

Public transport connects people across the world and with an increasing demand for high speed travel, rail transportation has grown to become one of the most popular and busiest modes of transport, especially in highly populated, urban areas.

With an increase in passenger numbers, health and safety is critical to reduce likelihood of failure and possible disaster.

Rail engineers ensure that all materials used within rail interiors provide the most stringent safety specifications which include flame resistance and smoke toxicity.

As with all rail interior applications, materials used must also have excellent durability and long lifespan which is why silicone is used extensively throughout the train.

Material Solutions

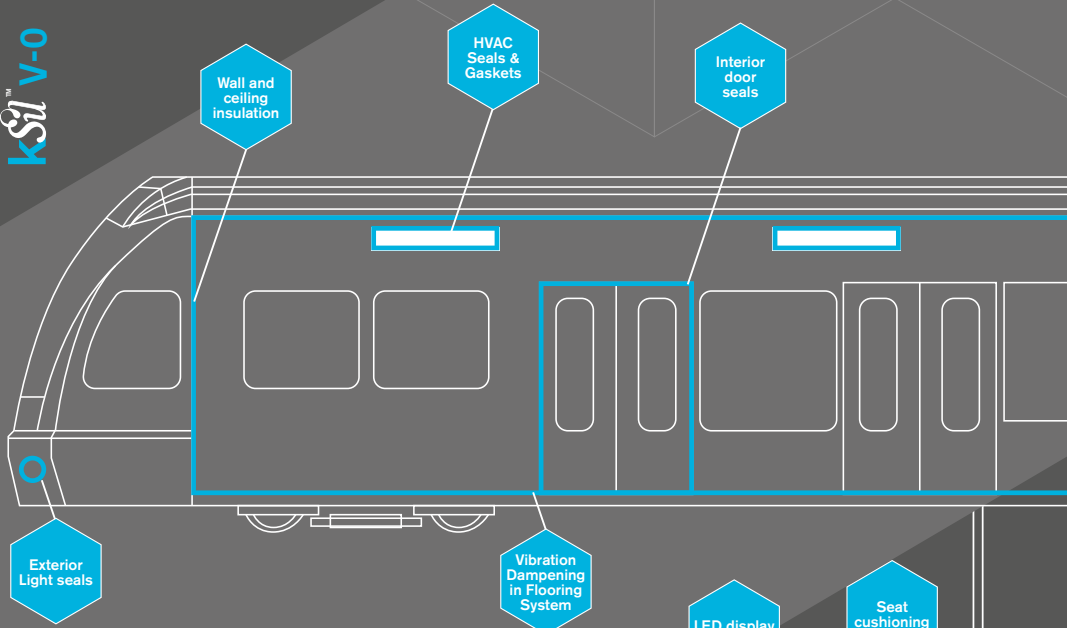
kSil™ V-0 silicone sponge has been specially formulated for rail interior applications. Approved and specified to industry standards:

- EN 45545-2
- UL94v-0

Flame, Smoke & Toxicity Performance

EN45545-2	kSil™ v-0
R1 – Interior Surfaces Window Frames Display Screens	HL2 (2 – 25mm)
R2 – Interiors Limited Surfaces	HL3 (2 – 25mm)
R3 – Interior Strips	HL3 (2 – 25mm)
R6 – Passenger Seat Shell	HL2 (2 – 25mm)
R7 – Walls of External Body	HL2 (2 – 25mm)
R10 - Floors and Cavity Wall	HL3 (2 – 25mm)
R17 – External Surfaces	HL2 (2 – 25mm)
R22 – Interior Seals	HL3 (2 – 25mm)
R23 – Exterior Seals	HL3 (2 – 25mm)
R24 – Printed Circuit Boards	HL3 (2 – 25mm)

This information and our technical advice, whether verbal, in writing or by way of trials, is given in good faith but without warranty. This also applies where proprietary rights are involved. Our advice does not release you from the obligations to check its validity and to test our products as to their suitability for the intended use. The storage, application and use of our products are beyond our control and, therefore, entirely your own responsibility. Our products are sold in accordance with our General Conditions of Sale.



Engineered sealing solutions for the rail industry

kSil™ V-O has many uses within rail interiors due to its unique formulation and physical properties. It is the ideal material to withstand high performance demand whilst improving passenger safety.

HVAC Seals & Gaskets

HVAC systems within rail carriages are designed to withstand heat fluctuations and varying degrees of vibration. **kSil™ V-O** has been specially formulated to withstand extreme temperatures from -60°C to 230°C.

LED Lighting Gaskets

LED lighting enclosures need to be protected from a range of elements from water, dust and moisture to high temperatures, which is why **kSil™ V-O** is formulated to protect from all of them. Its closed cell structure prevents water, dust and moisture ingress to IP66.

Vibration & Acoustic Dampening

kSil™ V-O provides excellent vibration, shock and acoustic dampening properties for rail flooring. Due to its compact, closed cell structure, **kSil™ V-O** effectively absorbs vibration and provides protection to train flooring systems.

