



## EN 45545-2 CERTIFIED SILICONE SOLUTIONS FOR RAILWAY APPLICATIONS



### SILICONE SOLUTIONS

Today all materials used in railway vehicles need to apply to the **EN 45545-2 standard**, to reach the highest possible safety level in case of fire.

Dow Corning offers a range of adhesives and encapsulants to bond and seal or protect your applications dedicated to railway market. These products meet the high requirements of the new European fire protection standard EN 45545-2. They achieve hazard levels up to HL3 and can even be installed in sleeping cars and couchettes which are going through tunnels as well as vehicles operated on metro tracks.

### COMMON APPLICATIONS

#### Electronics

- Connector protection
- Potting in train signalling
- Electrical switches
- Optical and lighting equipment
- Potting power supplies & electrical components

#### Adhesion

- Exchange control cabin doors
- LED signals protection
- LED panels protection and frame bonding
- Sealing glass to side-windows frame
- Bonding glass to trams side-windows frame
- Bonding painted steel panels to painted surfaces
- Sealing bellows frame between wagons
- Sealing panels and walls
- Interior fabric to wood
- Sealing and bonding of floor and shelves
- Bonding ceiling signals reinforcements
- Cable entry and holes filling
- Power supply PCBs protection
- Train toilets modules sealing and bonding
- Sealing and bonding of air duct collars

### CERTIFIED PRODUCTS

#### Dow Corning® EE-3200

Two part low Stress Silicone Encapsulant for the protection of electronic and electrical components.

**HL3/R22 to R26**

#### Sylgard® 170 Silicone Elastomer

Standard two component encapsulant used as a protective potting for electrical applications.

**HL3/R22 to R26**

#### Dow Corning® 3-6548 RTV foam

Two part silicone foam for compression gaskets.

**HL3/R22**

#### Dow Corning® 7091

One part silicone adhesive and sealant used for applications that require a durable and flexible bond.

**HL1/R22  
HL2/R23  
HL3/R24**

#### Dow Corning® Fire stop 700

One part silicone adhesive for sealing of expansion joints and pipe and cable penetrations in fire rated structures.

**HL2/R22  
HL3/R23 & R24**



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