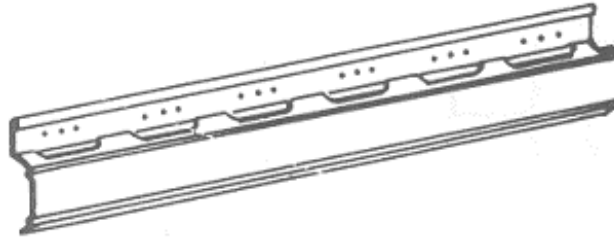


Resilient Channels: What are they?

Acoustical barriers between floors and walls are common in multi-family dwellings, high-rise office buildings, and other multi-level facilities. The design of the wall or ceiling structure is a contributing factor in the transmitting of sound from one side to the other. Gypsum board is a common material used in the construction of walls and ceilings, but it does not serve as a good acoustical barrier. There are, however, many types of materials available that assist in soundproofing walls and ceiling spaces, one of which is a **resilient channel**. Resilient channels are routinely used to improve the sound ratings for walls and are especially effective in floor/ceiling constructions (www.ta-inc.com/newshtml/rc.htm).

Resilient channels are strips of metal with an offset that adds airspace between the drywall and the studs. Resilient channels act as shock absorbers and will muffle vibrations coming from the opposite side of the wall or ceiling. Even though the many different brands of resilient channels have their own design, they all serve the same purpose.

Line drawing of one brand of resilient channels



Currently, the Capri Firedome™ is available with barhangers that accommodate the RC1 resilient channel. Since the Firedome™ is specifically designed to be used in multi-level establishments, the resilient channels offer a level of soundproofing that is often sought by owners and inhabitants. In order to request that any of the Firedome™ fixtures work with resilient channels, one must specify RC at the end of the catalog number. Example: FRIC6V90-RC

If RC is specified on the Firedome™ catalog number, resilient channel barhangers will be shipped in the place of the regular barhangers. If RC is not specified, the standard BH1 barhangers will ship installed on the housing.