

AERODINÂMICA

EQUIPAMENTOS INDUSTRIAIS

Unplasticized polyvinyl chloride (uPVC)

uPVC or **Rigid PVC** is often used in the building industry as a low-maintenance material, particularly in Ireland, the UK, and in the United States where it is known as vinyl, or vinyl siding. The material comes in a range of colors and finishes, including a photo-effect wood finish, and is used as a substitute for painted wood, mostly for window frames and sills when installing double glazing in new buildings, or to replace older single glazed windows. It has many other uses including fascia, and siding or weatherboarding. The same material has almost entirely replaced the use of cast iron for plumbing and drainage, being used for waste pipes, drainpipes, gutters and downpipes.

Due to environmental concerns use of PVC is discouraged by some local authorities in countries such as Germany and the Netherlands. This concerns both flexible PVC and rigid uPVC as not only the plasticizers in PVC are seen as a problem but also the emissions from manufacturing and disposal and the noxious, carcinogenic fumes produced by burning PVC in case of a fire. ^[citation needed]

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