

Notes concerning the particle reduction levels

The highway traffic act (StVZO) regulates the requirements for the retrofitting of particle reduction systems.

Particle reduction classes for cars:

PM 0 and PM 01 are intended for the retrofitting of Euro-1 diesel cars. Through the retrofitting with a particulate filter the particle limit value of Euro-2 diesel cars of 0.1 g/km must be achieved. Heavy vehicles can also achieve the particle limit value of the Euro-3 Norm.

PM 1 is intended for the retrofitting of Euro-1 and Euro-2 diesel cars. Through the retrofitting with a particulate filter the particle limit value of Euro-3 diesel cars of 0.05 g/km must be achieved.

PM 2 is intended for the retrofitting of Euro-3 diesel cars. Through the retrofitting with a particulate filter the particle limit value for Euro-4 diesel-cars of 0.025 g/km
PM 3 is intended for the retrofitting of Euro-4 diesel cars not fitted at factory. According to the Euro-4 Norm they only maintain a particle limit value of 0.025 g/km. With the retrofitting of a particulate filter the emission must be halved and a limit value of 0.0125 g/km must be achieved.

PM 4 must achieve the 0.005 g/km particle limit value which is planned by the proposed Euro 5 Norm. This level was created for the retrofitting of Euro-4 diesel cars currently in use which were prepared accordingly at factory.

PM 5 applies to Euro-3 and Euro-4 diesel cars which already meet the 0.005 g/km particle limit value at factory required by the proposed Euro-5 Norm. These vehicles also obtain the green sticker.

Particle-reduction classes for commercial vehicles / trucks:

PMK 01 and PMK 0 are intended for the retrofitting of Euro-1 diesel trucks. Through the retrofitting with a particulate filter the particle limit value of Euro-2 diesel trucks must be achieved. Some vehicles with PMK 01 achieve the particle limit value of the Euro-3 Norm.

PMK 1 is intended for the retrofitting of Euro-1 and Euro-2 diesel trucks. Through the retrofitting with a particulate filter the particle limit value of Euro-3 diesel trucks must be achieved.

PMK 2 is intended for the retrofitting of Euro-1, Euro-2 and Euro-3 diesel trucks. Through the retrofitting with a particulate filter the particle limit value for Euro-4 diesel trucks must be achieved.

PMK 3 and PMK 4 are intended for the retrofitting of light trucks. The emission criteria correspond to the particle reduction classes of PM 3, which means PM 4 for trucks.