



**EUROPERF**

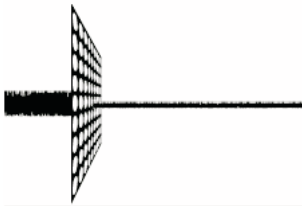
European Perforators Association

## **THE ADVANTAGES OF PERFORATED METALS**

# THE ADVANTAGES OF PERFORATED METALS

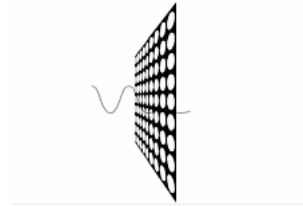
Perforated materials have many advantages reaching from weight reduction over acoustic noise reduction to heat dissipation and much more. You can find several animated examples on the left.

## ACOUSTIC PERFORMANCE



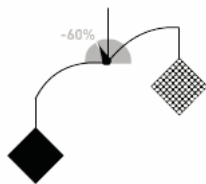
Perforated metal is your perfect partner for soundproofing and for reducing acoustic emissions. Almost all results required can be achieved by defining the open area accurately. The perforated sheet is even ideal as supporting material for other sound-insulating applications.

## RADIATION CONTAINMENT



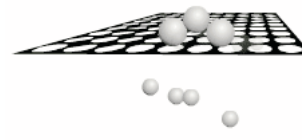
Perforated metal is used to enclose electrical appliances in order to attenuate the emitted EMI /RFT radiation and to ventilate the appliances at the same time. Test results show that a shielding effectiveness of 40 dB provides 99,000 percent attenuation of the electromagnetic radiation while a shielding effectiveness of 92 dB – the highest one in the tests – provides 99,997 percent attenuation.

## LESS WEIGHT



Reducing weight is becoming more and more important in areas such as the motor industry. Perforated metal is the ideal way to meet this requirement. In addition, machining perforated metal (bending it etc.) does not leave its load-carrying capacity at a disadvantage compared to full materials. This helps perforated material to save energy and leave valuable resources intact.

## SEPARATE

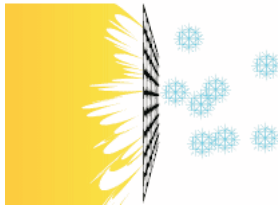


The perforation and open area can be specified exactly, making the perforated sheet ideal for filtering, separating, or sorting goods. The open area can be varied in numerous ways to affect the flow rate, size sorting etc. accurately. Filter elements made from perforated metal are of major benefit to the user in solving his problems.

# THE ADVANTAGES OF PERFORATED METALS

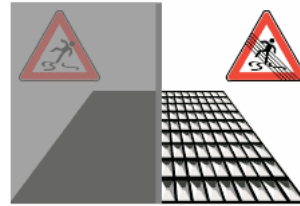
Perforated materials have many advantages reaching from weight reduction over acoustic noise reduction to heat dissipation and much more. You can find several animated examples on the left.

## HEAT DISSIPATION



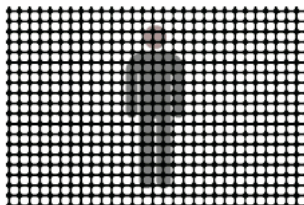
Components made from perforated metal play a valuable role in regulating temperature by heat dissipation in cold shelves, hot-air ventilators or complex heating units. The combination of useful functions with an appealing design gives rise to solutions in which a unique aesthetic touch complements the actual function of the application.

## SKID RESISTANCE / ANTI-SKID



Floor coverings made from perforated or stamped metal have special anti-skid properties to ensure safety in many areas. Especially in areas with high exposure to wetness, dirt etc., perforated floor coverings and steps etc. offer excellent skid-resistance so you can walk across these dangerous surfaces safely.

## TRANSPARENCY



Looking for high-quality applications with that extra aesthetic touch? Then choose transparent perforated metal! For example, can there be any more vivacious sight than that of light playing on just the right perforated-metal component? So give free rein to your imagination as it enjoys the almost endless creative potential offered by display units, partitions, or fasades!