# GUARTOFON ® PU 80/10 FR
# GUARTOFON ® PU 80/10 FR ALM R
# GUARTOFON ® PU 80/10 FR ALM N

**PRODUCT DESCRIPTION**
Sound Insulation panels that it requires an **excellent fire resistance and excellent acoustic insulation.**

***GUARTOFON ® PU 80/10 FR*** Sound insulation panels made of synthetic self-extinguishing heavy layer material combined with a 10mm thick of self-extinguishing flexible expanded elastomeric polyurethane foam (density 80÷110 kg/m$^3$).
***GUARTOFON ® PU 80/10 FR ALM R*** Sound insulation panels made of synthetic self-extinguishing heavy layer material combined with a 10mm thick of self-extinguishing flexible expanded elastomeric polyurethane foam (density 80÷110 kg/m$^3$) and a 18÷20 mic aluminum foil, **glossy surface** with glass scrim inside.
***GUARTOFON ® PU 80/10 FR ALM N*** Sound insulation panels made of synthetic self-extinguishing heavy layer material combined with a 10mm thick of self-extinguishing flexible expanded elastomeric polyurethane foam (density 80÷110 kg/m$^3$) and a 18÷20 mic aluminum foil, **black surface** with glass scrim inside.

GUARTOFON® PU is extremely pliant .It is lead and bitumen free and does not contain substances hazardous to human health and the environment. Fully compliant with GADSL regulations.
GUARTOFON® is a registered trademark.

**APPLICATIONS AND SECTORS OF USE:**
Their special sound insulation characteristics make this an excellent product for traditional applications in the building industry, eg. acoustic insulation of piping, ducts, floors that it requires an excellent fire resistance and excellent acoustic insulation.
GUARTOFON® PU has been developed to reduce the noise emitted through rain-water and sewage pipes. In addition, the material has a good thermal insulation properties an excellent sound insulating effect on all kinds of product transmission lines.

**USES**
The material can be applied on both flat and curved surfaces. It can be die cut. It is easily cut with a normal cutter or scissors. For good insulation it is important to ensure that the heavy layer are properly aligned to each other and/or that they overlap. The panel must be assembled with the side PU around the pipe. Tape off cross and lengthwise seams with tape.

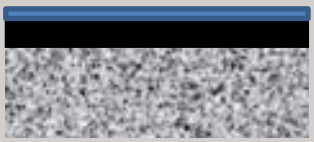
**STANDARD DIMENSIONS and WEIGHT**
Sheet 1000x2000 mm
Thickness 12 to 14 mm
Basic weight: 4,0÷4,8 Kg/m²
Other sizes on request.
Size tolerance to M4 DIN 7715 Part 2
The sheets have rolled separately and are packaged in a box
**O**ther dimensions and combinations can be supplied on request**.**

**Guartofon PU 80/10 FR**

2 mm heavy layer

10mm PU Foam

**Guartofon PU 80/10 FR ALM**



ALU foil
2 mm heavy layer

10mm PU Foam

**SOUND INSULATION**
RW 27 to 29 dB (theoretical) Cert. CSI n0012\DC\ACU|15.

**FIRE-classification**
***GUARTOFON ® PU 80/10 FR ALM :*** **B s1 d0** (EN 13501-1); **5.3;5.3;5.3** (Swiss Certification 27.03.2015)
***GUARTOFON ® PU 80/10 FR :*** **5.3;5.3;5.3** (Swiss Certification 14.11.2014)

Standard execution: EN 13501.1 fire class C (indicative, not certified) and according to FMVSS 302.

**RESISTANCE TO LIQUIDS**
The sheeting is resistant to water, weather and UV rays.

**TEMPERATURE RESISTANCE**
The plate in a static position withstands temperatures between -40°C and 100°C.

**THERMAL INSULATION**
Thermal conductor coefficient $\lambda$ = ca. 0,0385 W/mK.

**STANDARD COLOURS**
Black and aluminium (black or glossy color) other side.

**DISCLAIMER**
The recommendations and information listed in this product sheet are shown as complete and accurate as possible,
but offer no guarantees. Check and perform your own test.