SONOTIZ
Thermal & Acoustic Insulation

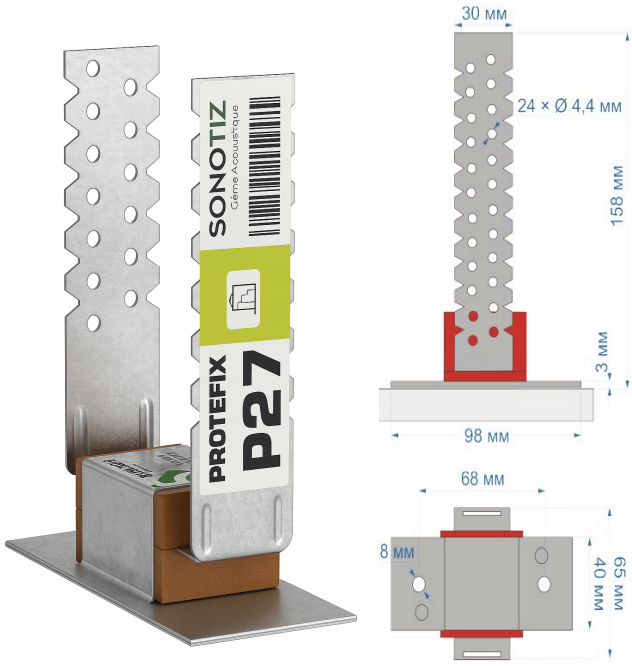
STATEMENT OF PERFORMANCE

DOP_No. 009_27_ Acoustic Hanger SONOTIZ PROTEFIX P23

1. Technical description and use

Protefix P27 is a high-performance anti-vibration hanger used for mounting suspended ceilings and framed acoustic walls. It is specifically designed to interrupt the transmission of structural noise and vibrations between rigid building elements.

At its core, Protefix P27 integrates an elastic Sylomer® SR110 element, a closed-cell polyurethane developed for acoustic and vibration isolation. This element is enclosed within a galvanised steel structure with mechanical grip, allowing the decoupled suspension of CD or UD profiles for plasterboard systems.



2. Key Features and Benefits:

- High vibration isolation: up to 99% efficiency or -40 dB transmission loss
- Low natural frequency: between 6–15 Hz, ideal for reducing low-frequency structural noise
- Maintains long-term performance under constant load, with excellent rebound and compression stability
- Compatible with standard suspended ceiling and wall framing systems
- Recommended for use in apartments, studios, offices, hotels, and media rooms

3. Performance Insight:

Vibration isolation improves significantly when the disturbing frequency exceeds the system's natural frequency. The Protefix P27 hanger, through its Sylomer® core, ensures outstanding acoustic decoupling even in demanding conditions.

4. Declared technical performance

Parameter	Value
Density	approx.. 400 kg/m³
Static modulus of elasticity	0.83 N/mm²
Dynamic modulus of elasticity (10 Hz)	1.52 N/mm²
Recommended static range of use	0.011 – 0.110 N/mm²
Estimated natural frequency	6 – 15 Hz
Compression behavior	Controlled progressive deflection
Compression set (72h, 50% deformation)	< 5%
Operating Temperature	-30°C up tp +70°C
Rebound resilience	55% according to EN ISO 8307
Fire classification	Class E according to EN ISO 11925-2
Thermal conductivity	0.075 W/(m·K)