DreamScreen ProSilence FluxCore Compound™ Red

High-Performance Viscoelastic Damping Compound

Part of the ProSilence FluxCore™ Ecosystem

ProSilence FluxCore Compound™ Red is a high-performance viscoelastic damping compound developed to reduce structure-borne vibration and improve sound insulation in walls, ceilings and floors. Designed as part of the ProSilence FluxCore™ ecosystem, the compound works together with FluxCore Clips™, FluxCore U-Boats™, fiber gypsum and mineral wool to create highly effective sound isolation systems.

KEY BENEFITS
✓ Reduces panel resonance and vibration
✓ Improves airborne sound insulation
✓ Reduces structure-borne noise transmission
✓ Water-based formulation
✓ Very low VOC emissions
✓ Non-flammable
✓ Distinctive red colour for coverage verification

Recommended FluxCore™ High-Performance Wall Assembly

Recommended high-performance wall assembly for laboratory verification and demanding sound isolation projects. Each side uses two board layers with ProSilence FluxCore Compound™ Red between the layers.

ROOM A
Fiber Gypsum
FluxCore Compound™ Red
Fiber Gypsum
Stud Frame + Mineral Wool
FluxCore Clip™ System
Fiber Gypsum
FluxCore Compound™ Red
Fiber Gypsum
ROOM B

Function	Component	Purpose
Decoupling	FluxCore Clips™ / U-Boats™	Reduce vibration transfer
Damping	FluxCore Compound™ Red	Convert vibration into heat
Mass	Fiber Gypsum	Improve airborne sound isolation
Absorption	Mineral Wool	Reduce cavity resonance

How Compound Works

ProSilence FluxCore Compound™ Red utilizes constrained layer damping (CLD) principles. When installed between two rigid boards, the viscoelastic layer converts vibration energy into heat, reducing resonance and sound radiation.

STANDARD DOUBLE-LAYER PANEL	WITH FLUXCORE COMPOUND™ RED
Fiber Gypsum	Fiber Gypsum
↓	↓
Fiber Gypsum	FluxCore Compound™ Red
	↓
Panels vibrate together	Fiber Gypsum
↓	↓
Resonance	Energy Dissipation
↓	↓
Noise Transmission	Reduced Resonance
	↓
	Reduced Noise Transmission

Coverage
Approx. 1 litre per 600 × 2400 mm board. One 10 kg bucket covers approximately 10 standard boards.

Environmental Performance & Technical Specifications

Parameter	Result
TVOC	49 µg/m³
Formaldehyde	<5 µg/m³
Carcinogenic VOCs	Not Detected
R-value	0.52

Technical Specification	Value
Colour	Red
Base	Water-based
Density	1.03 kg/L
Solids Content	68%
Drying Time	4–6 hours
Operating Temperature	0°C to +40°C
Storage Life	12 months minimum
Expected Service Life	>15 years
Packaging	10 kg bucket

SINTEF SYSTEM TESTING – IN PROGRESS
The complete FluxCore™ wall assembly is currently being prepared for independent laboratory testing. Future revisions of this datasheet will include measured system performance results.