

CONFORDAN 900 HS

Multilayer membrane for acoustic insulation of rigid elements and impact sound insulation



EPD S-P-04340

CONFORDAN® 900 HS is a multilayer product consisting of a high density membrane and a chemically cross-linked polyethylene thermo-welded to it, finished with a thermo-welded geotextile.

Presentation

- Length (cm): 1000
- Width (cm): 92
- Thickness (mm): 3.9
- Thickness (mm) ~ Standard: EN 1923
- ml/pallet: 23
- Surface (m²): 9.2
- Product code: 610203

Technical Data

Concept	Value	Standard
Mass per unit area (nominal) (kg/m ²)	2.3	EN 1849-1
Improvement of airborne sound insulation between panels; ΔRA	>3	EN 1923
Capillarity	1	-
Coefficient of linear thermal expansion (mm/m·K)	1	-
Thermal conductivity declared (W/mK)	0.07	EN 12667
Thermal conductivity of cross-linked polyethylene (W / m K)	0.07	2.4
Remainder deformation (24h compressed at 50%, 23°C) (%)	0.040	EN 1856

Concept	Value	Standard
Insulation thickness to be fixed (mm)	3,9	-
Nominal mass (g/ml)	147.2	EN 1849-1
Insert Loss; IL (dBA)	UNE EN 12311-1	-
Reaction to fire	F	EN 13501-1
Compressive strength at 25% (kPa)	> 35	EN ISO 3386-1
Longitudinal tensile strength (N / 5cm)	>600	UNE EN 12311-1
Thermal Resistance (m ² K/W)	0.056	-
Dynamic stiffness (MN/m ³)	EN 823	EN 29052-1
Work temperature (°C)	F	-
Thickness tolerance (%)	+/- 0,2	EN 823
Tolerance Length and Width (%)	1	EN 822
Hysteresis work (Nm)	> 35	EN 3386-1

Additional Technical Data

Concept	Value	Standard
Impact noise enhancement ΔL_n (dB)	23	EN 140-8 EN 717-2

Environmental Information

Concept	Value	Standard
Volatile organic compounds (COV's) ($\mu\text{g}/\text{m}^3$)	15	ISO 16000-6:2006
Content of recycled raw material (%)	14,4	-
Pre-Consumer recycled content (%)	100	-
Manufactured in	Fontanar - Guadalajara (España)	-

Standards and Certification

- The sound certifications are the result of tests in an approved laboratory.
- *For any questions about information on the tests, please consult our Technical Department.

Laboratory	Test (EN 140-3) No	ΔL_w
DANOSA	DAN-900-HS01	23

Scope

- Specially designed for the improvement of impact noise insulation in renovation works with the direct bonding of ceramic floor tiles.
- It allows for the creation of a floating system with ceramic tiles.

Advantages & Benefits

- High resistance to crushing.
- Mimicks the buoyancy of wood in new construction and renovation in ceramic tiles, making the imitation more real.
- Vapour and dampness barrier.
- Good insulation against impact noise in low thickness and weight, $\Delta L_n = 23$ dB.
- It doesn't react to attacks from micro-organisms, ensuring its durability over time.
- Easy to install.
- High resistance to tearing.
- Due to its low height, it allows for the acoustic renovation of old slabs without the need to remove the floor.

Substrate preparation

- The support must be clean and free of foreign objects.
- Floor unevenness of more than 3 mm in lengths of 1 m must be levelled out beforehand with levelling paste depending on the required thickness, for thicknesses of less than 10 mm ARGONIV® 020 Elite and for thicknesses of more than 10 mm ARGONIV® 120 Elite.
- CINTA DE SOLAPE shall be used at any joints with pillars, walls or installations that protrude above the floor before FONODAN® 900 HS is laid.

Instruction for Use

Preliminary operations

- Before starting work, it must be checked that:
- The substrate must be clean and free of foreign objects.
- SEALING TAPE must be used at the joints with pillars, walls or installations that emerge from the floor before laying Fonodan HS.

Laying CONFORDAN 900 HS

- Spread a thin layer of ARGOCOLA Élite 500 on the slab.
- Unroll the CONFORDAN 900 HS with the exposed side of the geotextile and press lightly onto the Argocola.
- The joint between the rolls should be flush, cut to the required size with a cutter.
- It is advisable to seal with rough adhesive tape to give continuity to the insulation and prevent the passage of dampness.
- Apply ARGOCOLA Élite 600 type cementitious adhesive (adding % of water so that the material acquires a suitable consistency and workability) directly on the product and place the ceramic

pieces with the spacers to square the different pieces.

- Apply ARJUNT UNIVERSAL mixed with latex resin (for each Kg of ARJUNT, 140g of resin (latex) must be added and add % of water so that the material acquires a suitable consistency and workability) to cover the joints.

Handling, storage and preservation

- Store in covered and ventilated places that comply with current legislation regarding storage.
- Consult the product safety datasheet.
- According to the EEC directives on labelling hazardous substances (GefStoffV), special labelling is not required.
- The product is considered not hazardous for transport (ADR, RID, UN, IATA/ICAO)
- The product, as such, is not classified as hazardous for transportation.
- Under normal conditions, the product is not hazardous.
- In application, the appropriate measures must be taken when handling tools.
- Stable at room temperature. Avoid being at temperatures above 80°C as that would alter the material's properties, accelerating its degradation.
- Waterproofing work should not be carried out when the ambient temperature is lower than +5°C for hot air welding.
- No personal protection is required during transportation and handling.
- In all cases, the Occupational Safety and Hygiene standards, as well as the standards of good construction practice, must be taken into account.
- For further information, please contact our Technical Department.

Notice

- The information contained in this document and any other advice provided, are given in good faith, based on DANOSA's current knowledge and experience when products are properly stored, handled and applied, in normal situations and in accordance with the recommendations of DANOSA. The information applies only to the application (s) and the product (s) to which reference is expressly made. In case of changes in the parameters of the application, or in case of a different application, consult the DANOSA Technical Service before using the DANOSA products. The information contained herein does not exonerate the responsibility of the building agents to test the products for the application and intended use, as well as their correct application in accordance with current legal regulations. The product images used in our communications are indicative and may differ slightly in color and aesthetic appearance in relation to the final product. Orders are accepted in accordance with the terms of our current General Sales Conditions. DANOSA reserves the right to modify, without prior notice, the data reflected in this documentation. Website: **www.danosa.com** E-mail: **info@danosa.com** Telephone: **+34 949 88 82 10**