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Italia

Technical Comparison CF ISO 500+ / CF-I 65 ECO Schaan, Feb. 25, 2021

By means of this letter, we confirm that the technical specification of product CF ISO 500+ referenced in the following test reports:

- **Thermal Conductivity**
  - Test report Nr. 092392.1 - Hu
  - Dated 20th of July 2009,
  - from the MPA Hannover
  - according to DIN 52612
- **Water Vapour Permeability**
  - Test report Nr. 17-000119-PR02 / PB-K05-09-en-01
  - Dated 30th of March 2017,
  - from the Institut für Fenstertechnik Rosenheim
  - according to DIN EN ISO 12572:2001-09
- **Air Tightness**
  - Test report Nr. 17-000119-PR01 / PB-K05-02-en-01
  - Dated 10th of March 2017,
  - from the Institut für Fenstertechnik Rosenheim
  - according to DIN 18542:1999-01
- **Acoustic (Joint sound reduction)**
  - Test report Nr. 17-000120-PR01 / PB 1-K05-04-en-01
  - Dated 24th of January 2017,
  - from the Institut für Fenstertechnik Rosenheim
  - according to DIN EN ISO 12354-3

is the same as the **CF-I 65 ECO (Art. Nr. 2067567, 750ml)**, currently sold by Hilti Italia. These two products only differ in their name, content (i.e. 500ml vs. 750ml) and article numbers.

Hereunder, please find the technical properties of the two products:

Feature	Tested as per	CF ISO 500 +	CF-I 65 ECO
Number of components:		1	1
Chemical Basis		Polyurethane	Polyurethane
Building material class:	DIN 4102	B2	B2
Content of can (quantity filled):		500 ml	750 ml
Colour:		Yellowish	Yellowish
HFC Free		Yes	Yes
Foam Yield (freely foamed):	HTC 2104*	Up to 44 litres	Up to 65 litres
Curing: non-tacky (after):	HTC 1211*	Approx. 10 min.	Approx. 10 min.
Ready to cut (after):	HTC 1213*	Approx. 25 min.	Approx. 25 min.
Load can be applied (after):	HTC 2105*	Approx. 3-5 hrs.	Approx. 3-5 hrs.
Tensile strength:	Din 53571	Approx. 5 N/cm^2	Approx. 5 N/cm^2
Shear strenght:	DIN 53422	Approx. 4 N/cm^2	Approx. 4 N/cm^2
Compressive stress (10% Compression):	DIN 53421	Approx. 4 N/cm^2	Approx. 4 N/cm^2
Thermal Conductivity:	DIN 52612	0.0362 W/mK	0.0362 W/mK
Acoustic Insulation:	DIN EN ISO 12354-3	RST,w (C;Ctr) = 61 (-1;-3) dB (10 mm Joint Width) RST,w (C;Ctr) = 59 (-6;-4) dB (30 mm Joint Width)	RST,w (C;Ctr) = 61 (-1;-3) dB (10 mm Joint Width) RST,w (C;Ctr) = 59 (-6;-4) dB (30 mm Joint Width)
Dimensional stability (up to 40° C and 90% rel. air Hum.):	HTC 1214*	+/- 5%	+/- 5%
Gross density (full expansion):	HTC 2104*	Approx. 15 kg/m^3	Approx. 15 kg/m^3
In gap (5 cm)	HTC 2104*	Approx. 20 kg/m^3	Approx. 20 kg/m^3
Water absorption:	DIN 53499	1% by volume	1% by volume
Temperature resistance of cured foam:		-40°C to +90°C	-40°C to +90°C
Ideal application temperature:		+15°C to +25°C	+15°C to +25°C
Possible application temperature range:		-5°C to +30°C	-5°C to +30°C
Minimum temperature – substrate/ambient		0°C	0°C
Storage and transportation temperature:		+5°C to +25°C	+5°C to +25°C
Shelf Life		15 months	15 months
* Hilti Test of Chemicals			

Yours sincerely,

Rod Davies-Valdés
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i.A. Peter Schulze
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