

Keymark Certificate

Solar thermal energy



078/000258

AENOR, Spanish Association for Standardization and Certification, certifies that the organization

BDR THERMEA GROUP B.V

registered office	MARCHANTSTRAAT, 55 7300 AA APELDOORN (Holanda - Países Bajos)
supplies	Solar collectors
in compliance with	UNE-EN 12975-1:2006 (EN 12975-1:2006)
Trade Mark Technical information	BAXI MEDITERRANEO SLIM 250 Specified in Annexs to the Certificate
Production site	CL MANGANÉS, 2 08755 CASTELLBISBAL (Barcelona - España)
Certification scheme	In order to grant this Certificate, AENOR has tested the product and has verified the quality system implemented for its manufacture. AENOR performs these tasks periodically while the Certificate has not been cancelled, in accordance with Specific Rules RP 78.01.
First issued on Validity date	2016-02-16 2021-02-16



Asociación Española de
Normalización y Certificación

Avelino BRITO
Chief Executive Officer

AENOR Asociación Española de
Normalización y Certificación

Génova, 6. 28004 Madrid. España
Tel. 902 102 201 – www.aenor.es



Summary of EN 12975 Test Results, annex to Solar KEYMARK Certificate						Licence Number		078/000258							
						Issued		2016-02-16							
Company holding the		BDR THERMEA GROUP B.V.				Country		NETHERLANDS							
Brand (optional)		--				Website		www.bdrthermea.com							
Street, street number		MARCHANSTRAAT 55				E-mail		oleguer.fuertes@baxi.es							
Postal Code / City, province		7300 AA		APPELDOORN		Tel/Fax		34 936 82 80 40 / 34 32							
Collector Type (flat plate glazed/un-glazed; evacuate tubular)						Flat plate collector - glazed									
Thermal / photo voltaic hybrid collector? (PVT collector)						No									
Integration in the roof possible ? (manufacturers declaration)						No									
						Power output per collector module									
						G = 1000 W/m ²									
Collector name						Tm-Ta									
						0 K	10 K	30 K	50 K	70 K					
						W	W	W	W	W					
BAXI MEDITERRANEO SLIM 250						2,40	2.191	1.151	46	2,52	1.776	1.679	1.466	1.228	965
Performance test method						Glazed liquid heating collector - steady state - indoor									
Performance parameters related to aperture						η ₀	a ₁	a ₂							
Units						-	W/(m ² K)	W/(m ² K ²)							
Test results - Flow rate and fluid see note 1						0,740	3,915	0,013							
Bi-directional incidence angle modifiers?						No <i>Kθ values are obligatory for 50°.</i>									
Incidence angle modifiers Kθ(θ)						Angle	10°	20°	30°	40°	50°	60°	70°	80°	90°
						Kθ(θ)					0,95			0,00	
Incidence angle modifier not bi-directional - leave fields blank															
Stagnation temperature - Weather conditions see note 2						T _{stg}	212,3		°C						
Effective thermal capacity						ceff = C/Ag	3,619		kJ/(m ² K)						
Max. intended operation temperature - see note 3						T _{max,op}	180		°C						
Max. operation pressure - see note 3						p _{max,op}	1000		kPa						
Pressure drop table - for a collector family, the values shall be for the module with highest ΔP per m ² aperture area															
Flow rate	kg/(s m ²)	0,000	0,013	0,028	0,043	0,060	0,075								
Pressure drop, ΔP	Pa	0	40	165	378	691	988								
Optional weather data		Location			Link										
Testing Laboratory						Fundación CENER-CIEMAT, LEST									
Website						www.cener.com									
Test report id. number						30.2755.0-2-1			Date of test report			28/12/2015			
						30.2755.0-3-1 R						04/02/2016			
During the test GDIF/GTOT was always between						0,1	and	0,11							
Comments of testing laboratory:															
--															
Note 1	Flow rate	0,020	kg/(s m ²)	Fluid	Water										
Note 2	Irradiance, G = 1000 W/m ² ; Ambient temperature, Ta=30 °C														
Note 3	Given by manufacturer														
						 CENER ADitech									
						Datasheet version: 4.06, 2014-01-15									
AENOR - Génova, 6. - 28004 - Madrid, España - Tel. 902 102 201 - www.aenor.es															
Product certification body accredited by ENAC, number 01/C-PR002.078															

