

CERTIFICATE OF PRODUCT CONFORMITY

*Dubai Central Laboratory Department (DCLD) of Dubai Municipality,
hereby attests that the product(s)
THERMAL SOLAR SYSTEMS AND COMPONENTS – SOLAR COLLECTORS*

(Details as per the attached Scope of Certification)

Manufactured by:

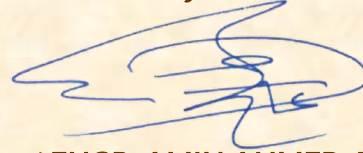
MALTEZOS SA

121 Megaridos Ave, 19300 Aspropyrgos, Greece

have been assessed in accordance with DCLD Document Ref. No. DM-DCLD-RD-DP21-2001 (IC) "General Rules for DM third party product certification system through factory assessment" and the relevant Specific Rules, and were found in conformity with the standard specification:

BS EN 12975-1:2006+A1:2010

*Accordingly, DCLD hereby authorizes the above manufacturer
to affix the DCL Product Conformity Mark to the above-mentioned product(s).*



for / **ENGR. AMIN AHMED AMIN**

Director, Dubai Central Laboratory Department

Dubai Municipality

Verify:



Certificate No: CL16020372

Valid Until: 27 June 2019



Current Issue Date: 28 June 2018

Original Issue Date: 28 June 2016

DM-DCLD-F-IC-2031 REV 13

The attached Scope of Certification bearing the same Certificate No. forms an integral part of this Certificate.

This Certificate is an electronic document, subject to the Terms and Conditions of the Product Certification System and shall not be reproduced except in full.

DUBAI CENTRAL LABORATORY DEPARTMENT
DCL PRODUCT CONFORMITY CERTIFICATION SCHEME

**SCOPE OF CERTIFICATION
FOR CERTIFICATE NO. CL16020372**

Certificate Issued To:	MALTEZOS SA 121 MEGARIDOS AVE , 19300 ASPROPYRRGOS GREECE
Applicable Standard Specification:	BS EN 12975-1:2006 +A1: 2010 – Thermal solar systems and components – Solar Collectors – Part 1: General requirements
Applicable Specific Rules:	RD-DP21-2178 (IC) – Specific Rules Certification of Solar Collectors as per BS EN 12975-1 Through Factory Assessment RD-DP21-2084 (IC) – Guidelines for Factory Production control Plan for Solar Collector Manufacturers

PRODUCT DETAILS	BRAND NAME(S) MODEL(S)	PRODUCT DESCRIPTION
<p>FLAT PLATE SOLAR COLLECTORS MALTEZOS SAC FAMILY</p> <p>Absorber material: Aluminum strips 0.5 mm thickness, laser welded to copper pipes. Absorber coating : selective surface</p> <p>Insulation materials: 50 mm Glasswool, density 18 kg/m³ (back), 20 mm Rockwool 100 kg/m³ (side). Cover: Clear Tempered Mislite glass 4mm Frame: Anodized Aluminum profile thickness : 1,5mm</p> <p>Sealing materials: EPDM rubber- silicone Use with anti-freeze thermal fluid Stagnation temperature : 162 °C at 1000 W/m² & 30°C ambient temperature Nominal pressure : 1000 kPa</p>	<p>"MALTEZOS" "MALTEZOS GLASS" "SUNPOWER" SAC 90X150</p>	<p>Collector dimensions : 1492x890x90 mm Gross Area : 1,33 m² Aperture Area : 1,21 m² Absorber Area: 1,21 m² Collector Weight : 23,1 kg Fluid content: 1,2 liters</p>
	<p>"MALTEZOS" "MALTEZOS GLASS" "SUNPOWER" SAC 100X150</p>	<p>Collector dimensions : 1492x994x90 mm Gross Area : 1,48 m² Aperture Area : 1,35 m² Absorber Area: 1,36 m² Collector Weight : 24,5 kg Fluid content: 1,3 liters</p>
	<p>"MALTEZOS" "MALTEZOS GLASS" "SUNPOWER" SAC 130X150</p>	<p>Collector dimensions : 1492x1294x90 mm Gross Area : 1,93 m² Aperture Area : 1,76 m² Absorber Area: 1,64 m² Collector Weight : 35 kg Fluid content: 1,4 liters</p>
	<p>"MALTEZOS" "MALTEZOS GLASS" "SUNPOWER" SAC 100X200</p>	<p>Collector dimensions : 1994x994x90 mm Gross Area : 1,98 m² Aperture Area : 1,79 m² Absorber Area: 1,70 m² Collector Weight : 33,7 kg Fluid content: 1,4 liters</p>
	<p>"MALTEZOS" "MALTEZOS GLASS" "SUNPOWER" SAC 130X200</p>	<p>Collector dimensions : 1990x1285x90 mm Gross Area : 2,56 m² Aperture Area : 2,39 m² Absorber Area: 2,32 m² Collector Weight : 45 kg Fluid content: 1,7 liters</p>

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**SCOPE OF CERTIFICATION
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<p>FLAT PLATE SOLAR COLLECTORS MALTEZOS NCS FAMILY</p> <p>Absorber material: Copper strips 0.18 mm thickness, ultrasonic welded to copper pipes. Absorber coating : selective surface</p> <p>Insulation materials: 40 mm Rockwool, density 40 kg/m³ (back) , 20 mm Rockwool 100 kg/m³ (side) . Cover : Clear Tempered Mistlite glass 4mm Frame: Anodized Aluminum profile thickness : 1,5mm</p> <p>Sealing materials: EPDM rubber- silicone Use with anti-freeze thermal fluid Stagnation temperature : 114,6 °C at 1000 W/m² & 30°C ambient temperature Nominal pressure : 1000 kPa</p>	<p>"MALTEZOS" NCS 90X150</p>	<p>Collector dimensions : 1500x901x90 mm Gross Area : 1,35 m² Aperture Area : 1,19 m² Absorber Area: 1,21 m² Collector Weight : 23 kg Fluid content: 1,1 liters</p>
	<p>"MALTEZOS" NCS 100X150</p>	<p>Collector dimensions : 1500x995x90 mm Gross Area : 1,49 m² Aperture Area : 1,32 m² Absorber Area: 1,35 m² Collector Weight : 25,5 kg Fluid content: 1,23 liters</p>
	<p>"MALTEZOS" NCS 130X150</p>	<p>Collector dimensions : 1500x1300x90 mm Gross Area : 1,95 m² Aperture Area : 1,76 m² Absorber Area: 1,74 m² Collector Weight : 33 kg Fluid content: 1,33 liters</p>
	<p>"MALTEZOS" NCS 100X200</p>	<p>Collector dimensions : 1998x997x90 mm Gross Area : 1,99 m² Aperture Area : 1,79 m² Absorber Area: 1,77 m² Collector Weight : 33,6 kg Fluid content: 1,36 liters</p>

NOTE1: This document forms part of the Certificate of Product Conformity bearing the same certificate number.

NOTE2: The above product shall bear the DCL Conformity Mark.

Original Issue Date : 28 June 2016

Current Issue Date : 28 June 2018

Valid Until : 27 June 2019

ARIF HUSAIN AL MARZOOQI

Head of Products Conformity Assessment Section
Dubai Central Laboratory Department