

## 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:*

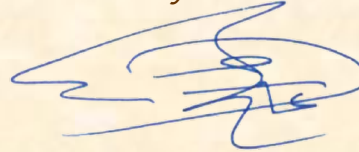
**CORDIVARI S.R.L.**

**Z.I. Pagliare, Morro D'Oro, Teramo, Italy**

*have been assessed in accordance with DCLD Document Ref. No. 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: CL18020584**

**Valid Until: 09 May 2019**



**Current Issue Date: 10 May 2018**

**Original Issue Date: 10 May 2018**

F-IC-2031 REV 12

*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. CL18020584

<b>Certificate Issued To:</b>	<b>CORDIVARI S.R.L.</b> Z.I. Pagliare, Morro D'Oro, Teramo, Italy
<b>Applicable Standard Specification:</b>	BS EN 12975-1:2006 +A1: 2010 – Thermal solar systems and components – Solar Collectors – Part 1: General requirements
<b>Applicable Specific Rules:</b>	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

S/N	PRODUCT DESCRIPTION	BRAND NAME(S) / MODEL(S)	PRODUCT DETAILS
1.	<p>FLAT PANEL TYPE SOLAR COLLECTOR</p> <p>Absorber Materials: Aluminium Absorber Fins (Blue absorber-selective) laser welded into copper tubes; Tempered, Mislite, Low Iron Glass 4mm &amp; 3.2mm thickness top cover; Glasswool thermal insulation with density of 30 kg/m<sup>3</sup>, thermal conductivity of 0.035 W/(m.K) and thickness of 30mm for back insulation; And Glasswool thermal insulation with density of 30 kg/m<sup>3</sup>, thermal conductivity of 0.035 W/(m.K) and thickness of 15mm for side insulation; Frame structure made of Anodized Aluminium with 1mm thickness and 0.4 Aluminium back cover; Double sided tape, silicone, EPDM sealing materials; Anti-freeze (Propylene Glycol) &amp; water mixture</p>	<p>“CORDIVARI” Brand</p> <p>PAN 2.5</p>	<p>Overall area of 2.52 m<sup>2</sup>; absorber area of 2.33 m<sup>2</sup>; Gross dimensions: 2006 x 1257 x 85 mm; Weight (dry &amp; packed): 34 kg; Absorber volume capacity: 1.9 Liters Absorber pipe dimensions: Header - 22 x 0.7mm and Risers – 8 x 0.4mm Number of risers in vertical position is 11 and in horizontal position is 17; Maximum operating pressure is 10 bars; Maximum stagnation temperature is 199 °C; Vertical position</p>

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		<b>PAN 2.0</b>	Overall area of 2.02 m <sup>2</sup> ; absorber area of 1.83 m <sup>2</sup> ; Gross dimensions: 2006 x 1007 x 85 mm; Weight (dry & packed): 27 kg; Absorber volume capacity: 1.6 Liters Absorber pipe dimensions: Header - 22 x 0.7mm and Risers - 8 x 0.4mm Number of risers in vertical position is 8; Maximum operating pressure is 10 bars; Maximum stagnation temperature is 199 °C; Vertical position
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NOTE 1: The above products shall bear the DCL Conformity Mark applied on each individual product.

NOTE 2: This document forms part of the Certificate of Product Conformity bearing the same certificate number.

Original Issue Date : 10 May 2018

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ARIF HUSAIN AL MARZOOQI

Head of Products Conformity Assessment Section  
Dubai Central Laboratory Department