

## 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:*

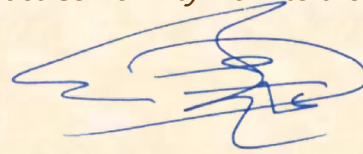
**BAYMAK MAKINA SAN. TIC. VE A.S**

**Orhanli Beldesi Ortah Mah. Akdeniz Sk. No 8 Tuzla, Istanbul, Turkey**

*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: CL18020575**

**Valid Until: 06 April 2019**



**Current Issue Date: 07 April 2018**

**Original Issue Date: 07 April 2018**

F-IC-2031 REV 11

*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. CL18020575**

**Certificate Issued To:** BAYMAK MAKINA SAN. TIC. VE A.S. – (SC-18)  
Orhanli Beldesi Ortah Mah. Akdeniz Sk. No 8 Tuzla, Istanbul, Turkey

**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

SN	Product Description	Brand Name	Product Details
1	SOLAR FLAT PLATE COLLECTOR	BAYMAK APOLLO E X-P	Gross Area: 1.98 m <sup>2</sup> Aperture Area: 1.87 m <sup>2</sup> , Absorber Area: 1.85 m <sup>2</sup> Gross Dimension: 1740 x 1140 x 75 mm 10 Nos , 8.0 mm Φ Copper riser pipes and 2 Nos copper manifolds 18 mm Φ Max. Operating Pressure: 10 Bar Stagnation Temperature: 141°C @ 30°C /1000 W/m <sup>2</sup> Liquid Content: 1.2 l , Empty Weight: 32 kg Absorber Material: Aluminum Absorber sheet 0.3 mm thickness with Matt black coating, laser welded with parallel grid copper pipes Thermal Insulation: Glasswool Insulation of 40 mm thickness, Solar Glass: Toughened Glass of 3.2 mm thick Galvanized Sheet casing Sealing: Silicon, EPDM To be used with Water- Glycol (Anti-Freeze Fluid)
2	SOLAR FLAT PLATE COLLECTOR	BAYMAK APOLLO E X	Gross Area: 1.98 m <sup>2</sup> Aperture Area: 1.87 m <sup>2</sup> , Absorber Area: 1.85 m <sup>2</sup> Gross Dimension: 1740 x 1140 x 75 mm 10 Nos , 8.0 mm Φ Copper riser pipes and 2 Nos copper manifolds 18 mm Max. Operating Pressure: 10 Bar Stagnation Temperature: 180°C @ 30°C /1000 W/m <sup>2</sup> Liquid Content: 1.2 l , Empty Weight: 32 kg Absorber Material: Aluminum Absorber sheet 0.3 mm thickness with blue selective coating, laser welded with parallel grid copper pipes Thermal Insulation: Glasswool Insulation of 40 mm thickness, Solar Glass: Toughened Glass of 3.2 mm thick Galvanized Sheet casing Sealing: Silicon, EPDM To be used with Water- Glycol (Anti-Freeze Fluid)
3	SOLAR FLAT PLATE COLLECTOR	BAYMAK APOLLO E XL	Gross Area: 2.47 m <sup>2</sup> Aperture Area: 2.34 m <sup>2</sup> , Absorber Area: 2.34 m <sup>2</sup> Gross Dimension: 2170 x 1140 x 75 mm 10 Nos , 8.0 mm Φ Copper riser pipes and 2 Nos copper manifolds 18 mm Φ Max. Operating Pressure: 10 Bar Stagnation Temperature: 200 °C @ 30°C /1000 W/m <sup>2</sup> Liquid Content: 1.3 l , Empty Weight: 40 kg Absorber Material: Aluminum Absorber sheet 0.3 mm thickness with blue selective coating, laser welded with parallel grid copper pipes Thermal Insulation: Glasswool Insulation of 40 mm thickness, Solar Glass: Toughened Glass of 3.2 mm thick Galvanized Sheet casing Sealing: Silicon, EPDM To be used with Water- Glycol (Anti-Freeze Fluid)



**DUBAI CENTRAL LABORATORY DEPARTMENT  
DCL PRODUCT CONFORMITY CERTIFICATION SCHEME**

**SCOPE OF CERTIFICATION  
FOR CERTIFICATE NO. CL18020575**

**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** : 07 April 2018

**Current Issue Date** : 07 April 2018

**Valid Until** : 06 April 2019

**ARIF HUSAIN AL MARZOOQI**  
Head of Products Conformity Assessment Section  
Dubai Central Laboratory Department