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APPROVAL REPORT

Project No: PR450410
Class: 4881
Product Name: ¼ - 14 DP3 Concealor Pancake Head
Product Type: Wall Fasteners
Name of Listing Company: Triangle Fastener Corp
Address of Listing Company: 1925 Preble Ave
Pittsburgh PA 15233
United States
Customer ID: 1000007998-1
Customer website: <http://www.trianglefastener.com/>

Prepared by

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Reviewed by

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VP, Manager of Materials

10/18/18

Date of Approval

1 INTRODUCTION

1.1 Triangle Fastener Corp requested Approval of their ¼ - 14 DP3 Concealor Pancake Head fastener listed in Section 1.4 to determine if it meets the Approval requirements of the standard listed in Section 1.3.

1.2 This report may be freely reproduced only in its entirety and without modification.


1.3 Standard

Title	Number	Issue Date
Approval Standard for Class 1 Exterior Wall Systems	4881	November 2016

1.3.1 A fastener listed as an FM Approved wall fastener is intended for use as a component in an FM Approved wall panel system. Recognition as an FM Approved wall panel system shall be extended only to manufacturers who have successfully met all test requirements contained in the applicable FM Approval Standard under a separate Approval program.

1.4 Listing

The product will appear in the Approval Guide, an on-line resource of FM Approvals, as follows:

1.4.1 Building Materials - Walls and Ceilings (FM Approval Class Numbers 4411, 4651, 4880, 4881, 4882)  Wall Fasteners (Class Number 4881)

Product	Primary Class of Work	Listing Country	Certification Type
¼ - 14 DP3 Concealor Pancake Head	4881-Exterior Wall Systems	United States of America	FM Approved

Product Specifications

Trade Name:	¼ - 14 DP3 CONCEALOR PANCAKE HEAD
Fastener Type:	Self-drilling Tapping Screw
Drive Head:	#3 square Recessed Pancake Head
Head Diameter:	5/8 in. (18.9mm)
Minimum Length:	1.0 in. (25.4 mm)
Maximum Length:	8.0 in. (203.2 mm)
Washer:	N/A

2 DESCRIPTION

¼ - 14 DP3 Concealor Pancake Head is a fastener for use in FM Approved wall panel systems. The drawings and specifications are on file at FM Approvals.

3 EXAMINATIONS AND TESTS

- 3.1** The fasteners were considered to be representative of standard production. All data is on file at FM Approvals along with other documents and correspondence applicable to this program.
- 3.2** No testing was conducted during this project. All testing and analysis considered necessary, as noted in Section 3.4 of FM Approval Standard 4881, was conducted under separate projects (3056453, 3062554) and data was released for use in this project by the program sponsor.

4 MARKING

- 4.1** The manufacturer shall mark each packing container or label with;
- name and address of the manufacturer or marking traceable to the manufacturer,
 - date of manufacture or code traceable to date of manufacture or lot identification,
 - model number or product identification,
 - the FM Approval mark
- 4.2** Labels or markings denoting Approval shall be applied by the manufacturer only within and on the premises of manufacturing locations that are under the FM Approvals Surveillance Audit Program.
- 4.3** The manufacturer agrees that use of the FM Approvals name or Approval Mark is subject to the conditions and limitations of the Approval by FM Approvals. Such conditions and limitations must be included in all references to Approval by FM Approvals.

5 REMARKS

Continued Approval is based upon fabrication of the ¼ - 14 DP3 Concealor Pancake Head fastener in accordance with this Approval Report, satisfactory field experience and continued use of acceptable quality control procedures as determined by Surveillance Audits.

6 SURVEILLANCE AUDIT

The manufacturing facilities at the following locations shall be visited on a routine basis. The facility processes and quality control procedures in place have been determined to be satisfactory to manufacture products identical to that tested and Approved. An FM Approved Products/Specification Tested Revision Request Form shall be submitted to FM Approvals for requesting to manufacture products at any additional or alternate manufacturing facilities which are not listed below.

Audit Locations

No 1-37, Yuku,
Alian Dist, Kaohsiung,
Taiwan

No. 1150-3, Fuxing Rd.,
Luzhu Dist, Kaohsiung,

Taiwan

7 MANUFACTURER'S RESPONSIBILITIES

- 7.1 The manufacturer shall notify FM Approvals of any planned change in the Approved products, prior to general sale or distribution, using the FM Approved Products/Specification Tested Revision Request Form. No changes of any nature shall be made unless notice of the proposed change has been given and written authorization obtained from FM Approvals.
- 7.2 In accordance with the Master Agreement, the manufacturer shall make full and immediate disclosure to FM Approvals of all information concerning any defect in, or potential hazard of, the product or service manufactured or provided by the Customer which is Approved by, or being examined by, FM Approvals. The manufacturer shall make all necessary arrangements for the investigation of complaints / anomalies applicable to this approval and shall keep records of all complaints / anomalies including actions taken.

8 DOCUMENTATION

The following document describes the ¼ - 14 DP3 Concealor Pancake Head fastener and is on file at FM Approvals.

Document Title	Issue Date
Surveillance Audit Manual	October 2018

9 CONCLUSION

- 9.1 See www.ApprovalGuide.com for the Approved fastener.
- 9.2 Approval is effective as of the date of this report since a duly signed Master Agreement is on file for this customer.
- 9.3 Continued Approval will depend upon satisfactory field experience and periodic Surveillance Audits.

PROJECT DATA RECORD: PR450410