

Genis Arnaud
 Form 3
 December 21, 2010

FORM 3 UNITED STATES SECURITIES AND EXCHANGE COMMISSION
Washington, D.C. 20549

OMB APPROVAL

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INITIAL STATEMENT OF BENEFICIAL OWNERSHIP OF SECURITIES

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934,
 Section 17(a) of the Public Utility Holding Company Act of 1935 or Section
 30(h) of the Investment Company Act of 1940

(Print or Type Responses)

| | | | | |
|---|---------|--------------------------------------|--|--|
| 1. Name and Address of Reporting Person * | | 2. Date of Event Requiring Statement | 3. Issuer Name and Ticker or Trading Symbol | |
| Â Genis Arnaud | | (Month/Day/Year) | Owens Corning [OC] | |
| (Last) | (First) | (Middle) | 12/15/2010 | |
| ONE OWENS CORNING PARKWAY | | | 4. Relationship of Reporting Person(s) to Issuer | 5. If Amendment, Date Original Filed(Month/Day/Year) |
| (Street) | | | (Check all applicable) | |
| TOLEDO,Â OHÂ 43659 | | | <input type="checkbox"/> Director <input type="checkbox"/> 10% Owner | 6. Individual or Joint/Group Filing(Check Applicable Line) |
| (City) | (State) | (Zip) | <input checked="" type="checkbox"/> Officer <input type="checkbox"/> Other | <input checked="" type="checkbox"/> Form filed by One Reporting Person |
| | | | (give title below) (specify below) | <input type="checkbox"/> Form filed by More than One Reporting Person |
| | | | Group Pres Composite Solutions | |

Table I - Non-Derivative Securities Beneficially Owned

| 1. Title of Security (Instr. 4) | 2. Amount of Securities Beneficially Owned (Instr. 4) | 3. Ownership Form: Direct (D) or Indirect (I) (Instr. 5) | 4. Nature of Indirect Beneficial Ownership (Instr. 5) |
|---------------------------------|---|--|---|
| \$.01 Par Value Common | 18,369 ⁽¹⁾ | D | Â |

Reminder: Report on a separate line for each class of securities beneficially owned directly or indirectly.

SEC 1473 (7-02)

Persons who respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB control number.

Table II - Derivative Securities Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)

| 1. Title of Derivative Security (Instr. 4) | 2. Date Exercisable and Expiration Date (Month/Day/Year) | 3. Title and Amount of Securities Underlying Derivative Security (Instr. 4) | 4. Conversion or Exercise Price of Derivative Security | 5. Ownership Form of Derivative Security: Direct (D) | 6. Nature of Indirect Beneficial Ownership (Instr. 5) |
|--|--|---|--|--|---|
|--|--|---|--|--|---|

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| | Date Exercisable | Expiration Date | Amount or Number of Shares | | | or Indirect (I) (Instr. 5) | |
|-----------------------|------------------|-----------------|----------------------------|--------|----------|----------------------------|---|
| Option (right to buy) | Â (2) | 02/04/2019 | \$.01 Par Value Common | 11,700 | \$ 13.89 | D | Â |
| Option (right to buy) | Â (3) | 02/03/2020 | \$.01 Par Value Common | 9,700 | \$ 25.45 | D | Â |

Reporting Owners

| Reporting Owner Name / Address | Relationships | | | |
|---|---------------|-----------|----------------------------------|-------|
| | Director | 10% Owner | Officer | Other |
| Genis Arnaud ONE OWENS CORNING PARKWAY TOLEDO, OH 43659 | Â | Â | Â Group Pres Composite Solutions | Â |

Signatures

Stephen K. Krull by POA filed
herewith

12/21/2010

**Signature of Reporting Person

Date

Explanation of Responses:

- * If the form is filed by more than one reporting person, see Instruction 5(b)(v).
- ** Intentional misstatements or omissions of facts constitute Federal Criminal Violations. See 18 U.S.C. 1001 and 15 U.S.C. 78ff(a).
- (1) Restricted stock units to be settled solely in company stock.
- (2) The option vests in four equal installments which began on February 4, 2010.
- (3) The option vests in four equal installments beginning on February 3, 2011.

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, See Instruction 6 for procedure. Potential persons who are to respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB number.