

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
Stylesheet Version v1.2

EPAS ID: PAT3411926

|                              |                                       |
|------------------------------|---------------------------------------|
| <b>SUBMISSION TYPE:</b>      | NEW ASSIGNMENT                        |
| <b>NATURE OF CONVEYANCE:</b> | SECOND LIEN PATENT SECURITY AGREEMENT |
| <b>SEQUENCE:</b>             | 5                                     |

## CONVEYING PARTY DATA

| Name               | Execution Date |
|--------------------|----------------|
| ADCO PRODUCTS, LLC | 06/19/2015     |

## RECEIVING PARTY DATA

|                        |                                                              |
|------------------------|--------------------------------------------------------------|
| <b>Name:</b>           | CREDIT SUISSE AG, CAYMAN ISLANDS BRANCH, AS COLLATERAL AGENT |
| <b>Street Address:</b> | ELEVEN MADISON AVENUE, 6TH FLOOR                             |
| <b>City:</b>           | NEW YORK                                                     |
| <b>State/Country:</b>  | NEW YORK                                                     |
| <b>Postal Code:</b>    | 10010                                                        |

## PROPERTY NUMBERS Total: 22

| Property Type       | Number   |
|---------------------|----------|
| Patent Number:      | 6297324  |
| Patent Number:      | 8716397  |
| Patent Number:      | 8211952  |
| Patent Number:      | 7473453  |
| Patent Number:      | 8063141  |
| Patent Number:      | 6794449  |
| Patent Number:      | 6642296  |
| Patent Number:      | 6291571  |
| Patent Number:      | 5872203  |
| Patent Number:      | 8297008  |
| Application Number: | 13399417 |
| Application Number: | 13246482 |
| Application Number: | 13680904 |
| Application Number: | 13501943 |
| Application Number: | 13399425 |
| Application Number: | 13721740 |
| Application Number: | 13143294 |
| Application Number: | 14069653 |
| Application Number: | 14114074 |

PATENT

| Property Type       | Number   |
|---------------------|----------|
| Application Number: | 14535988 |
| Application Number: | 13812079 |
| Application Number: | 14296666 |

**CORRESPONDENCE DATA**

**Fax Number:** (714)755-8290

*Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.*

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**Address Line 4:** COSTA MESA, CALIFORNIA 92626

|                                |             |
|--------------------------------|-------------|
| <b>ATTORNEY DOCKET NUMBER:</b> | 030786-0658 |
| <b>NAME OF SUBMITTER:</b>      | ANNA T KWAN |
| <b>SIGNATURE:</b>              | /atk/       |
| <b>DATE SIGNED:</b>            | 06/24/2015  |

**Total Attachments: 7**

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## SECOND LIEN PATENT SECURITY AGREEMENT

### (Patents and Patent Licenses)

SECOND LIEN PATENT SECURITY AGREEMENT, dated as of June 19, 2015, between ADCO PRODUCTS, LLC, a Delaware limited liability company, ETERNABOND, LLC, a Delaware limited liability company, MILLENNIUM ADHESIVE PRODUCTS, LLC, a Ohio limited liability company and ROYAL ADHESIVES AND SEALANTS, LLC, a Delaware limited liability company (each, a “**Grantor**” and collectively, the “**Grantors**”), and CREDIT SUISSE AG, CAYMAN ISLANDS BRANCH, as Collateral Agent.

WHEREAS, each Grantor owns, or in the case of Patent Licenses, is a party to, the Patent Collateral (as defined below);

WHEREAS, Royal Holdings, Inc. (the “**Borrower**”), ROYAL ACQUISITION CORP. (“**Holdings**”), certain Subsidiaries party thereto from time to time, the Lenders party thereto and Credit Suisse AG, Cayman Islands Branch, as Collateral Agent and Administrative Agent, are parties to a Credit Agreement, dated as of June 19, 2015 (as amended, restated, amended and restated, supplemented or otherwise modified from time to time, the “**Credit Agreement**”);

WHEREAS, pursuant to (i) a Second Lien Security Agreement, dated as of June 19, 2015 (as amended, restated, amended and restated, supplemented or otherwise modified from time to time, the “**Second Lien Security Agreement**”), among the Borrower, the Guarantors party thereto and Credit Suisse AG, Cayman Islands Branch, as Collateral Agent for the Secured Parties referred to therein (in such capacity, together with its successors in such capacity, the “**Grantee**”), and (ii) certain other Security Documents (including this Second Lien Patent Security Agreement), each Grantor secures the Secured Obligations by granting to the Grantee for the benefit of such Secured Parties a continuing security interest in the Collateral of such Grantor, including all right, title and interest of such Grantor in, to and under the Patent Collateral (as defined below); and

WHEREAS, terms defined in the Second Lien Security Agreement (or whose definitions are incorporated by reference in Section 1 of the Second Lien Security Agreement) and not otherwise defined herein have, as used herein, the respective meanings provided for therein;

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, subject to and upon the terms and conditions contained in the Second Lien Security Agreement, such Grantor hereby grants to the Grantee, to secure the Secured Obligations, a continuing security interest in all of such Grantors’ right, title and interest in, to and under the following (all of the following items or types of property being herein collectively referred to as the “**Patent Collateral**”), whether now owned or existing or hereafter acquired or arising:

- (i) each United States Patent constituting Recordable Intellectual Property owned by such Grantor, including, without limitation, each Patent referred to in Schedule 1 hereto;
- (ii) each Patent License constituting Recordable Intellectual Property to which such Grantor is a party, including, without limitation, each Patent License identified in Schedule 1 hereto; and
- (iii) all Proceeds of and revenues from the foregoing;

provided that, notwithstanding anything herein to the contrary, in no event shall the Patent Collateral include any Excluded Assets.

THE PARTIES HERETO AUTHORIZE AND REQUEST THAT THE COMMISSIONER OF PATENTS AND TRADEMARKS OF THE UNITED STATES RECORD THIS SECURITY INTEREST IN THE PATENT COLLATERAL.

The foregoing security interest is granted in conjunction with the security interests granted by each Grantor to the Grantee pursuant to the Second Lien Security Agreement. Each Grantor acknowledges and affirms that the rights and remedies of the Grantee with respect to the security interest in the Patent Collateral granted hereby are more fully set forth in the Second Lien Security Agreement, the terms and provisions of which are incorporated by reference herein as if fully set forth herein. In the event of any conflict between the provisions of this Second Lien Patent Security Agreement and the provisions of the Second Lien Security Agreement, the provisions of the Second Lien Security Agreement shall govern.

[Signature Pages Follow]

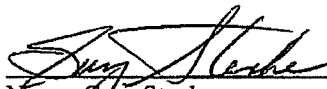
IN WITNESS WHEREOF, the Grantor has caused this Second Lien Patent Security Agreement to be duly executed by its officer thereunto duly authorized as of the date first written above.

**ADCO PRODUCTS, LLC**

**SOLE MEMBER:**

ADCO GLOBAL, INC.

By:

  
Name: Gary Stenke  
Title: Chief Financial Officer and Secretary

**ETERNABOND, LLC  
MILLENNIUM ADHESIVE PRODUCTS, LLC**

**SOLE MEMBER:**

ADCO PRODUCTS, LLC

By:

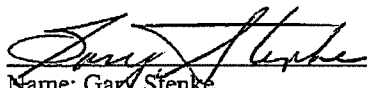
  
Name: Gary Stenke  
Title: Chief Financial Officer and Secretary

**ROYAL ADHESIVES AND SEALANTS, LLC**

**SOLE MEMBER:**

ROYAL HOLDINGS, INC.

By:

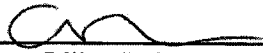
  
Name: Gary Stenke  
Title: Chief Financial Officer

[SIGNATURE PAGE TO PATENT SECURITY AGREEMENT (2ND LIEN)]

Acknowledged:

CREDIT SUISSE AG, CAYMAN ISLANDS BRANCH,  
as Collateral Agent

By:

  
Name: Bill O'Daly  
Title: Authorized Signatory

By:

  
Name: D. Andrew Maletta  
Title: Authorized Signatory

[SIGNATURE PAGE TO PATENT SECURITY AGREEMENT (2ND LIEN)]

PATENT  
REEL: 036018 FRAME: 0715

## SCHEDULE 1

### PATENTS

#### ADCO PRODUCTS, LLC

| <b>Title</b>                                                                                      | <b>Filing Date</b> | <b>Application No.</b> | <b>Issued Date</b> | <b>Registration No.</b> | <b>Status (Application/Registered)</b> |
|---------------------------------------------------------------------------------------------------|--------------------|------------------------|--------------------|-------------------------|----------------------------------------|
| Adhesive Applicator                                                                               | 2/17/2012          | 13/399417              | n/a                | 20130008376             | Application                            |
| Adhesive bead applicator                                                                          | 9/27/2011          | 13/246482              | n/a                | 20120042826             | Application                            |
| Adhesive composition for providing water-tight joints in single-ply roofing membranes             | 3/31/1995          | 08/414381              | 10/2/2001          | 6297324                 | Registered                             |
| Bio-based roofing adhesive compositions                                                           | 8/17/2011          | 13/211874              | 5/6/2014           | 8716397                 | Registered                             |
| Composite edge for producing double or multiple pane insulation glass or solar modules            | 11/19/2012         | 13/680904              | n/a                | 20130079446             | Application                            |
| Curable sealing method and foamed composition                                                     | 1/8/2010           | 12/377109              | 7/3/2012           | 8211952                 | Registered                             |
| Edge sealants having balanced properties                                                          | 4/13/2012          | 13/501943              | n/a                | 20120192947             | Application                            |
| Heat-resistant, paintable two-sided acrylic-based adhesive tape                                   | 2/7/2005           | 11/052357              | 1/6/2009           | 7473453                 | Registered                             |
| Hot melt pressure sensitive adhesive composition for attaching roofing membranes                  | 9/7/2004           | 10/935142              | 11/22/2011         | 8063141                 | Registered                             |
| Hot melt pressure sensitive adhesive composition for attaching roofing membranes                  | 4/11/2002          | 10/120751              | 9/21/2004          | 6794449                 | Registered                             |
| Lap edge roofing sealant                                                                          | 8/7/2001           | 09/923592              | 11/4/2003          | 6642296                 | Registered                             |
| Lap edge roofing sealant                                                                          | 3/21/2000          | 09/531626              | 9/18/2001          | 6291571                 | Registered                             |
| Method of applying a polyurethane adhesive to a substrate                                         | 2/17/2012          | 13/399425              | n/a                | 20120156371             | Application                            |
| Multi-bead applicator                                                                             | 12/20/2012         | 13/721740              | n/a                | 20130168421             | Application                            |
| Multi-bead applicator                                                                             | 7/5/2011           | 13/143294              | n/a                | 20120012054             | Application                            |
| Polyurethane adhesive composition for bonding polymeric roofing materials to roof-deck substrates | 9/25/1995          | 08/533640              | 2/16/1999          | 5872203                 | Registered                             |
| Reactive roofing adhesive                                                                         | 11/1/2013          | 14/069653              | n/a                | 20140127448             | Application                            |
| Reactive roofing adhesive                                                                         | 10/25/2013         | 14/114074              | n/a                | 20140044935             | Application                            |
| System and method for attaching a solar                                                           | 9/30/2010          | 12/935842              | 10/30/2012         | 8297008                 | Registered                             |

|                                                                             |           |           |     |             |             |
|-----------------------------------------------------------------------------|-----------|-----------|-----|-------------|-------------|
| module to a substrate                                                       |           |           |     |             |             |
| Adhesive packaging system with membrane                                     | 11/7/2014 | 14/535988 | n/a | n/a         | Application |
| Two-part foamable adhesive with renewable content for fleece back membranes | 4/30/2013 | 13/812079 | n/a | 20140356568 | Application |
| Adhesive applicator                                                         | 6/5/2014  | 14/296666 | n/a | 20140283744 | Application |

### ETERNABOND, LLC

| <b>Title</b>          | <b>Filing Date</b> | <b>Application No.</b> | <b>Issued Date</b> | <b>Registration No.</b> | <b>Status (Application/Registered)</b> |
|-----------------------|--------------------|------------------------|--------------------|-------------------------|----------------------------------------|
| Pitch pocket assembly | 3/25/2011          | 13/072269              | 1/1/2013           | 8341897                 | Registered                             |

### MILLENNIUM ADHESIVE PRODUCTS, LLC

| <b>Title</b>                      | <b>Filing Date</b> | <b>Application No.</b> | <b>Issued Date</b> | <b>Registration No.</b> | <b>Status (Application/Registered)</b> |
|-----------------------------------|--------------------|------------------------|--------------------|-------------------------|----------------------------------------|
| Adhesive applicator               | 1/23/2004          | 10/763491              | 6/6/2006           | 7056556                 | Registered                             |
| Two component adhesive applicator | 7/17/2003          | 29/186560              | 2/15/2005          | D501855                 | Registered                             |

### ROYAL ADHESIVES AND SEALANTS, LLC

| <b>Title</b>                                                                                    | <b>Filing Date</b> | <b>Application No.</b> | <b>Issued Date</b> | <b>Registration No.</b> | <b>Status (Application/Registered)</b> |
|-------------------------------------------------------------------------------------------------|--------------------|------------------------|--------------------|-------------------------|----------------------------------------|
| Epoxy, polysulfide and cyanoacrylate composites utilizing activatable amino-polyamide curatives | 1/21/1994          | 08/184526              | 8/29/2000          | 6111030                 | Registered                             |
| Trowel                                                                                          | 1/10/2007          | 29/271119              | 2/12/2008          | D561549                 | Registered                             |
| Trowel blade                                                                                    | 9/21/2007          | 29/295096              | 10/7/2008          | D577971                 | Registered                             |
| Trowel blade                                                                                    | 9/21/2007          | 29/295090              | 10/7/2008          | D577970                 | Registered                             |
| Mounting substrate for display of items                                                         | 5/31/1995          | 08/459030              | 10/29/1996         | 5569503                 | Registered                             |
| Method of making microsphere adhesive                                                           | 4/27/1999          | 09/300615              | 3/13/2001          | 6201042                 | Registered                             |
| Polychloroprene-based bonding adhesives <sup>1</sup>                                            | 9/29/2014          | 14/499778              | n/a                | 20150013879             | Application                            |

### PATENT LICENSES

1. Agreement, dated as of March 9, 2011, between Millennium Adhesive Products, Inc. and Rooftop Equipment, Inc.

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<sup>1</sup> Patent Application represents a partial interest by Royal Adhesives and Sealants, LLC.

2. Manufacturing and Supply Agreement, dated as of January 9, 2007, between Royal Adhesive and Sealants, LLC and National Starch Chemical Company.
3. General Agreement, dated as of November 25, 2014, by and between Royal Adhesives and Sealants, LLC and the Boeing Company.