June 5, 2017

RE: Alabama DOT Approval of Red Head G5 adhesive

To Whom It May Concern,

As of the date of this letter, Red Head G5 adhesive is approved for use by the Alabama Department of Transportation.

The above products can be found listed on the most up-to-date Approved / Qualified Product List for Concrete Anchoring Systems by visiting the following link:

https://www.dot.state.al.us/mtweb/Testing/MSDSAR/pdf/QMSD/Lii15.pdf (Found on Page 1)

If you have any questions about our Red Head adhesives, please contact our technical support center by calling 1-800-848-5611 or emailing <u>Technical@itwccna.com</u>.

Amy Kolczak Codes and Approvals Manager ITW Commercial Construction North America



January 10, 2017

RE: Arizona DOT Approval of Red Head G5 adhesive

To Whom It May Concern,

As of the date of this letter, Red Head G5 adhesive is approved for use by the Arizona Department of Transportation.

The above products can be found listed on the most up-to-date Approved / Qualified Product List for Doweling Bonding Adhesive by visiting the following link:

<u>http://www.azdot.gov/docs/default-source/approved-products/apl201702.pdf?sfvrsn=2#page=16</u> (Found on Page 11)

If you have any questions about our Red Head adhesives, please contact our technical support center by calling 1-800-848-5611 or emailing <u>Technical@itwccna.com</u>.

Amy Kolczak Codes and Approvals Manager ITW Commercial Construction North America



June 5, 2017

RE: Connecticut DOT Approval of Red Head G5 adhesive

To Whom It May Concern,

As of the date of this letter, Red Head G5 adhesive is approved for use by the Connecticut Department of Transportation.

The above products can be found listed on the most up-to-date Approved / Qualified Product List for Chemical Anchors by visiting the following link:

http://www.ct.gov/dot/lib/dot/documents/dresearch/conndot_qpl.pdf#page=13
(Found on Page 4)

If you have any questions about our Red Head adhesives, please contact our technical support center by calling 1-800-848-5611 or emailing <u>Technical@itwccna.com</u>.

Amy Kolczak Codes and Approvals Manager ITW Commercial Construction North America

January 10, 2017

RE: Florida DOT Approval of Red Head G5 adhesive

To Whom It May Concern,

As of the date of this letter, Red Head G5 adhesive is approved for use by the Florida Department of Transportation.

The above products can be found listed on the most up-to-date Approved / Qualified Product List for 937: Structural Adhesive Types / 002: Structural Adhesive Bonding Compound Type HSHV by visiting the following link:

https://fdotwp1.dot.state.fl.us/ApprovedProductList/ProductTypes/Index/137

If you have any questions about our Red Head adhesives, please contact our technical support center by calling 1-800-848-5611 or emailing <u>Technical@itwccna.com</u>.

Amy Kolczak Codes and Approvals Manager ITW Commercial Construction North America

January 10, 2017

RE: Georgia DOT Approval of Red Head C6+, A7+, and G5 adhesives

To Whom It May Concern,

As of the date of this letter, Red Head C6+, A7+, and G5 adhesives are approved for use by the Georgia Department of Transportation.

RED HEAD' (A Ramset. A ITW Buildex

The above products can be found listed on the most up-to-date Approved / Qualified Product List for Epoxy Resin Adhesives by visiting the following link:

http://www.dot.ga.gov/PartnerSmart/Materials/Documents/qpl15.pdf
(Found on Page 3)

If you have any questions about our Red Head adhesives, please contact our technical support center by calling 1-800-848-5611 or emailing <u>Technical@itwccna.com</u>.

Amy Kolczak Codes and Approvals Manager ITW Commercial Construction North America

January 10, 2017

RE: Illinois DOT Approval of Red Head A7+ adhesive

To Whom It May Concern,

As of the date of this letter, Red Head A7+ adhesive is approved for use by the Illinois Department of Transportation.

The above products can be found listed on the most up-to-date Approved / Qualified Product List for Chemical Adhesives by visiting the following link:

http://idot.illinois.gov/Assets/uploads/files/Doing-Business/Specialty-Lists/Highways/Materials/Materials-&-Physical-Research/Metals/chemicaladhesives.pdf

If you have any questions about our Red Head adhesives, please contact our technical support center by calling 1-800-848-5611 or emailing <u>Technical@itwccna.com</u>.

Amy Kolczak Codes and Approvals Manager ITW Commercial Construction North America

RE: Indiana DOT Approval of Red Head A7+, C6+, and G5 adhesives

To Whom It May Concern,

June 5, 2017

As of the date of this letter, Red Head A7+, C6+, and G5 adhesives are approved for use by the Indiana Department of Transportation.

- RED HEAD

A Ramset. A ITW Buildex

The above products can be found listed on the most up-to-date Approved / Qualified Product List for Chemical Anchor Systems by visiting the following link:

http://www.in.gov/indot/div/mt/appmat/pubs/apl09.pdf#page=3
(Found on Page 3)

Approval Numbers:Red Head A7+:W168075Red Head Epcon C6+:W148071Red Head Epcon G5:W038060

If you have any questions about our Red Head adhesives, please contact our technical support center by calling 1-800-848-5611 or emailing <u>Technical@itwccna.com</u>.

Amy Kolczak Codes and Approvals Manager ITW Commercial Construction North America

June 5, 2017

RE: Iowa DOT Approval of Red Head A7+ and G5 adhesives

To Whom It May Concern,

As of the date of this letter, Red Head A7+ and G5 adhesives are approved for use by the Iowa Department of Transportation.

The above products can be found listed on the most up-to-date Approved / Qualified Product List for Grout, Polymer (Dowel Bar, Horizontal, Vertical, Chemical Adhesive Anchor) by visiting the following link:

- RED HEAD

(A Ramset. A ITW Buildex

Red Head A7+:

Grout, Polymer (Horizontal): <u>https://maple.iowadot.gov/Details.aspx?id=2715</u> Grout, Polymer (Vertical): <u>https://maple.iowadot.gov/Details.aspx?id=2714</u> Grout, Polymer (Dowel Bar): <u>https://maple.iowadot.gov/Details.aspx?id=2716</u> Grout, Polymer (Chemcial Adhesive Anchor): <u>https://maple.iowadot.gov/Details.aspx?id=2717</u>

Red Head Epcon G5:

Grout, Polymer (Horizontal): <u>https://maple.iowadot.gov/Details.aspx?id=1859</u> Grout, Polymer (Vertical): <u>https://maple.iowadot.gov/Details.aspx?id=1164</u> Grout, Polymer (Dowel Bar): <u>https://maple.iowadot.gov/Details.aspx?id=1219</u>

If you have any questions about our Red Head adhesives, please contact our technical support center by calling 1-800-848-5611 or emailing <u>Technical@itwccna.com</u>.

Amy Kolczak Codes and Approvals Manager ITW Commercial Construction North America

June 5, 2017

RE: Kentucky DOT Approval of Red Head G5 adhesive

To Whom It May Concern,

As of the date of this letter, Red Head G5 adhesive is approved for use by the Kentucky Department of Transportation.

The above products can be found listed on the most up-to-date Approved / Qualified Product List for Reinforcing bar grout adhesives (non-epoxy) by visiting the following link:

http://transportation.ky.gov/Materials/Documents/LAM.PDF#page=107 (Found on Page 107)

If you have any questions about our Red Head adhesives, please contact our technical support center by calling 1-800-848-5611 or emailing <u>Technical@itwccna.com</u>.

Amy Kolczak Codes and Approvals Manager ITW Commercial Construction North America

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January 10, 2017

RE: Louisiana DOT Approval of Red Head G5 adhesive

To Whom It May Concern,

As of the date of this letter, Red Head G5 adhesive is approved for use by the Louisiana Department of Transportation.

The above products can be found listed on the most up-to-date Approved / Qualified Product List for Concrete Anchor System, Injection by visiting the following link and clicking "view report":

http://wwwapps.dotd.la.gov/engineering/materials_lab/QualifiedProjectList/ApprovedMaterialsList.asp <u>×</u> (Found on Pages 63-78)

If you have any questions about our Red Head adhesives, please contact our technical support center by calling 1-800-848-5611 or emailing <u>Technical@itwccna.com</u>.

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Amy Kolczak Codes and Approvals Manager ITW Commercial Construction North America



June 5, 2017

RE: Minnesota DOT Approval of Red Head A7+ and G5 adhesives

To Whom It May Concern,

As of the date of this letter, Red Head A7+ and G5 adhesives are approved for use by the Minnesota Department of Transportation.

The above products can be found listed on the most up-to-date Approved / Qualified Product List for Concrete Anchorages by visiting the following link:

Non-Bridge (Red Head A7+ and Red Head Epcon G5): http://www.dot.state.mn.us/products/concrete/concreteanchorages.html

Bridge Threaded Rod Applications (Red Head A7+): http://www.dot.state.mn.us/products/bridge/concreteanchorages.html

If you have any questions about our Red Head adhesives, please contact our technical support center by calling 1-800-848-5611 or emailing <u>Technical@itwccna.com</u>.

Amy Kolczak Codes and Approvals Manager ITW Commercial Construction North America

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January 10, 2017

RE: Missouri DOT Approval of Red Head A7+ adhesive

To Whom It May Concern,

As of the date of this letter, Red Head A7+ adhesive is approved for use by the Missouri Department of Transportation.

The above products can be found listed on the most up-to-date Approved / Qualified Product List for Epoxy Resin Materials - Bonding Agents for Dowels by visiting the following link:

http://www.modot.org/business/materials/pdf/vol_1/FS1039T3.pdf

(Found on Page 5)

If you have any questions about our Red Head adhesives, please contact our technical support center by calling 1-800-848-5611 or emailing <u>Technical@itwccna.com</u>.

Amy Kolczak Codes and Approvals Manager ITW Commercial Construction North America

January 10, 2017

RE: Nebraska DOT Approval of Red Head G5 adhesive

To Whom It May Concern,

As of the date of this letter, Red Head G5 adhesive is approved for use by the Nebraska Department of Transportation.

The above products can be found listed on the most up-to-date Approved / Qualified Product List for Approved Products List -> Concrete -> Resin Adhesives by visiting the following link:

http://www.roads.nebraska.gov/business-center/materials/approved-products/

If you have any questions about our Red Head adhesives, please contact our technical support center by calling 1-800-848-5611 or emailing Technical@itwccna.com.

Amy Kolczak Codes and Approvals Manager ITW Commercial Construction North America



January 10, 2017

RE: Nevada DOT Approval of Red Head C6+ adhesive

To Whom It May Concern,

As of the date of this letter, Red Head C6+ adhesive is approved for use by the Nevada Department of Transportation.

The above products can be found listed on the most up-to-date Approved / Qualified Product List for Epoxy Anchoring Systems by visiting the following link:

https://www.nevadadot.com/uploadedFiles/NDOT/About NDOT/NDOT Divisions/Planning/Research/D ocuments/20161206_QPL.pdf (Found on Page 86)

If you have any questions about our Red Head adhesives, please contact our technical support center by calling 1-800-848-5611 or emailing <u>Technical@itwccna.com</u>.

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Amy Kolczak Codes and Approvals Manager ITW Commercial Construction North America

- RED HEAD' (A Ramset, A MW Buildex PN

January 10, 2017

RE: New Jersey DOT Approval of Red Head A7+, C6+, and G5 adhesives

To Whom It May Concern,

As of the date of this letter, Red Head A7+, C6+, and G5 adhesives are approved for use by the New Jersey Department of Transportation.

The above products can be found listed on the most up-to-date Approved / Qualified Product List for Epoxy Grout, C881 Type 1, Grade 3 by visiting the following link:

http://www.state.nj.us/cgi-bin/transportation/database/viewdbqpl.pl

If you have any questions about our Red Head adhesives, please contact our technical support center by calling 1-800-848-5611 or emailing <u>Technical@itwccna.com</u>.

Amy Kolczak Codes and Approvals Manager ITW Commercial Construction North America

January 10, 2017

RE: New York DOT Approval of Red Head A7+, C6+, and G5 adhesives

To Whom It May Concern,

As of the date of this letter, Red Head A7+, C6+, and G5 adhesives are approved for use by the New York Department of Transportation.

RED HEAD' (A Ramset. A ITW Buildex

The above products can be found listed on the most up-to-date Approved / Qualified Product List for ANCHORING MATERIALS - CHEMICALLY CURING (701-07), CAPSULE & POURABLE by visiting the following link:

https://www.dot.ny.gov/divisions/engineering/technical-services/technical-servicesrepository/alme/pages/240-1.html

If you have any questions about our Red Head adhesives, please contact our technical support center by calling 1-800-848-5611 or emailing <u>Technical@itwccna.com</u>.

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Amy Kolczak Codes and Approvals Manager ITW Commercial Construction North America



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January 10, 2017

RE: Ohio DOT Approval of Red Head A7+ adhesive

To Whom It May Concern,

As of the date of this letter, Red Head A7+ adhesive is approved for use by the Ohio Department of Transportation.

The above products can be found listed on the most up-to-date Approved / Qualified Product List for Non-Shrink Non-Metallic Material by visiting the following link:

http://www.odotonline.org/materialsmanagement/qpl.asp?specref=705.20(08)

If you have any questions about our Red Head adhesives, please contact our technical support center by calling 1-800-848-5611 or emailing <u>Technical@itwccna.com</u>.

Amy Kolczak Codes and Approvals Manager ITW Commercial Construction North America

June 5, 2017

RE: Oregon DOT Approval of Red Head G5 adhesive

To Whom It May Concern,

As of the date of this letter, Red Head G5 adhesive is approved for use by the Oregon Department of Transportation.

The above products can be found listed on the most up-to-date Approved / Qualified Product List for Concrete Anchor, Resin (Spec # 00535.10) by visiting the following link:

http://www.oregon.gov/ODOT/HWY/CONSTRUCTION/QPL/Docs/QPL.pdf#page=105 (Found on Page 96)

If you have any questions about our Red Head adhesives, please contact our technical support center by calling 1-800-848-5611 or emailing <u>Technical@itwccna.com</u>.

Amy Kolczak Codes and Approvals Manager ITW Commercial Construction North America

RE: Pennsylvania DOT Approval of Red Head C6+ and G5 adhesives

To Whom It May Concern,

As of the date of this letter, Red Head A7+, C6+, and G5 adhesives are approved for use by the Pennsylvania Department of Transportation.

The above products can be found listed on the most up-to-date Approved / Qualified Product List for 516.2(k) Anchor Material and Miscellaneous Anchroing Devices for Use in Vertical Positions Only by visiting the following link:

RED HEAD (A Ramset. A ITW Buildex

516.2(k) Anchor Material (Concrete Pavement Patching Dowel Bar Adhesive): <u>http://www.dot.state.pa.us/public/pdf/BOCM_MTD_LAB/PUBLICATIONS/PUB_35/Current_Edition/Bull</u> <u>etin15.pdf#page=22</u> (Found on Page 22)

Miscellaneous Anchroing Devices for Use in Vertical Positions Only (Anchoring Adhesive): http://www.dot.state.pa.us/public/pdf/BOCM_MTD_LAB/PUBLICATIONS/PUB_35/Current_Edition/Bull etin15.pdf#page=552 (Found on Page 552)

If you have any questions about our Red Head adhesives, please contact our technical support center by calling 1-800-848-5611 or emailing <u>Technical@itwccna.com</u>.

Amy Kolczak Codes and Approvals Manager ITW Commercial Construction North America

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January 10, 2017

RE: Rhode Island DOT Approval of Red Head G5 adhesive

To Whom It May Concern,

As of the date of this letter, Red Head G5 adhesive is approved for use by the Rhode Island Department of Transportation.

The above products can be found listed on the most up-to-date Approved / Qualified Product List for Anchoring Systems - Bridge Structures by visiting the following link:

http://dot.ri.gov/documents/doingbusiness/materials/RIDOTApprovedProducts.pdf#page=29 (Found on Page 25)

If you have any questions about our Red Head adhesives, please contact our technical support center by calling 1-800-848-5611 or emailing <u>Technical@itwccna.com</u>.

Amy Kolczak Codes and Approvals Manager ITW Commercial Construction North America

January 10, 2017

RE: Tennessee DOT Approval of Red Head C6+ and G5 adhesives

To Whom It May Concern,

As of the date of this letter, Red Head C6+ and G5 adhesives are approved for use by the Tennessee Department of Transportation.

RED HEAD (A Ramset M TW Buildex

The above products can be found listed on the most up-to-date Approved / Qualified Product List for Epoxy Type Anchor by visiting the following link:

https://tn.gov/assets/entities/tdot/attachments/QPL.pdf#page=307 (Found on Page 307)

If you have any questions about our Red Head adhesives, please contact our technical support center by calling 1-800-848-5611 or emailing <u>Technical@itwccna.com</u>.

Amy Kolczak Codes and Approvals Manager ITW Commercial Construction North America

January 10, 2017

RE: Wisconsin DOT Approval of Red Head A7+ adhesive

To Whom It May Concern,

As of the date of this letter, Red Head A7+ adhesive is approved for use by the Wisconsin Department of Transportation.

The above products can be found listed on the most up-to-date Approved / Qualified Product List for Concrete Adhesive Anchors by visiting the following link:

http://wisconsindot.gov/Documents/doing-bus/eng-consultants/cnslt-rsrces/tools/appr-prod/apcurrent/concrete-adh-anchors-2-10-2017.pdf

If you have any questions about our Red Head adhesives, please contact our technical support center by calling 1-800-848-5611 or emailing <u>Technical@itwccna.com</u>.

Amy Kolczak Codes and Approvals Manager ITW Commercial Construction North America

dex Pin

February 27, 2017

RE: Kansas DOT Approval of Red Head A7+ adhesive

To Whom It May Concern,

As of the date of this letter, Red Head A7+ adhesive is approved for use by the Kansas Department of Transportation.

The above products can be found listed on the most up-to-date Approved / Qualified Product List for Epoxy-Resin-Base Bonding Systems for Concrete by visiting the following link:

http://www.ksdot.org/Assets/wwwksdotorg/bureaus/burMatrRes/PQL/pql-10-05.pdf#page=5 (Found on Page 5)

If you have any questions about our Red Head adhesives, please contact our technical support center by calling 1-800-848-5611 or emailing <u>Technical@itwccna.com</u>.

Amy Kolczak Codes and Approvals Manager ITW Commercial Construction North America

dex P

February 27, 2017

RE: Colorado DOT Approval of Red Head A7+ adhesive

To Whom It May Concern,

As of the date of this letter, Red Head A7+ adhesive is approved for use by the Colorado Department of Transportation.

The above products can be found listed on the most up-to-date Approved / Qualified Product List for Anchoring, Lateral Adhesive by visiting the following link:

https://www.codot.gov/content/apl/Form595/4088.pdf

If you have any questions about our Red Head adhesives, please contact our technical support center by calling 1-800-848-5611 or emailing <u>Technical@itwccna.com</u>.

Amy Kolczak Codes and Approvals Manager ITW Commercial Construction North America

RE: North Carolina DOT Approval of Red Head A7+ adhesive

To Whom It May Concern,

As of the date of this letter, Red Head A7+ adhesive is approved for use by the North Carolina Department of Transportation.

The above products can be found listed on the most up-to-date Approved / Qualified Product List for Epoxies, Type 3a by visiting the following link:

RED HEAD & Ramset. A ITW Buildex

https://apps.ncdot.gov/vendor/ApprovedProducts/ProductDetails.aspx?id=7942

If you have any questions about our Red Head adhesives, please contact our technical support center by calling 1-800-848-5611 or emailing <u>Technical@itwccna.com</u>.

Amy Kolczak Codes and Approvals Manager ITW Commercial Construction North America

RE: Pennsylvania DOT Approval of Red Head A7+ adhesive

To Whom It May Concern,

As of the date of this letter, Red Head A7+ adhesive is approved for use by the Pennsylvania Department of Transportation.

RED HEAD' (A Ramset. A ITW Buildex

The above products can be found listed on the most up-to-date Approved / Qualified Product List for Dowel Bar Adhesive by visiting the following link:

http://www.dot.state.pa.us/public/pdf/BOCM_MTD_LAB/PUBLICATIONS/PUB_35/Current_Edition/Bull etin15.pdf (Found on Page 21)

If you have any questions about our Red Head adhesives, please contact our technical support center by calling 1-800-848-5611 or emailing <u>Technical@itwccna.com</u>.

Amy Kolczak Codes and Approvals Manager ITW Commercial Construction North America



RE: Washington State DOT Approval of Red Head A7+ adhesive

To Whom It May Concern,

As of the date of this letter, Red Head A7+ adhesive is approved for use by the Washington State Department of Transportation.

The above products can be found listed on the most up-to-date Approved / Qualified Product List for Resin Bonded Achnors - Adhesives, and Epoxy Resin Types I and IV by visiting the following link:

- RED HEAD

(A Ramset. A ITW Buildex

Resin Bonded Anchors – Adhesives:

http://www.wsdot.wa.gov/biz/mats/QPL/QPLProdinfo.cfm?Product_no=2016149&product_origin=QPL &location_id=7202&manufacturer_id=20833&standard_spec_minor=GSP 6-02.2.OPT1.GR6&Product_name=Red Head A7 Plus

Epoxy – Epoxy Resin – Type I:

http://www.wsdot.wa.gov/biz/mats/QPL/QPLProdinfo.cfm?Product_no=2016149&product_origin=QPL &location_id=7202&manufacturer_id=20833&standard_spec_minor=9-26.1(1)A:1&Product_name=Red Head A7 Plus

Epoxy – Epoxy Resin – Type IV:

http://www.wsdot.wa.gov/biz/mats/QPL/QPLProdinfo.cfm?Product_no=2016149&product_origin=QPL &location_id=7202&manufacturer_id=20833&standard_spec_minor=9-26.1(1)A:2&Product_name=Red Head A7 Plus

If you have any questions about our Red Head adhesives, please contact our technical support center by calling 1-800-848-5611 or emailing <u>Technical@itwccna.com</u>.

Amy Kolczak Codes and Approvals Manager ITW Commercial Construction North America