

61st Annual New Jersey Asphalt Paving Conference
March 13, 2018

NEW JERSEY TURNPIKE AUTHORITY'S QUALIFIED PRODUCTS LIST

PRESENTED BY

DAVID M. SIEGLER, P.E. – PROJECT ENGINEER



Presentation Overview

- I. What is the Qualified Products List (QPL)?
- II. Why did the Authority implement a QPL?
- III. How does the QPL work?
- IV. What's in store for the program...?



WHAT IS THE QPL?



WHERE IS THE QPL?

CapEx →

Administration Help Log

- Document Management System ▶
- Batch Import
- Manage NJTA Profile
- Manage Vendors ▶
- Manage System Elements ▶
- Manage Project
- Manage User Groups
- Manage Specification Catalogs
- Manage Users
- Manage My User Profile
- Manage My Home Page
- Qualified Products List (QPL)**

Home > Qualified Products List (QPL)

Qualified Products List (QPL)

Filter

Manufacturer All My Company This Company

Supplier All My Company This Company

Submitted By All My Company

Product Type

Product Name

Product Status Created Submitted Returned Preliminary Review

Supplier Status Pending Accepted Rejected

Qualified Products List [Create](#) [Add Supplier](#)

Show/Hide Columns Keyword Filter:

QPL #	Revision #	Product Type	Product Type Description
42	0	923.09(B)	Aggregate
423	0	922.06(A)	Fesco Board Insulation
360	0	906.06(C)	Calcium Nitrite Presence in Plastic Concrete
375	0	926.01	Preapplied Anti-Seize
217	0	927.07	Thread Locker
321	0	926.03	Cable Rack, Junction Box Type C
1	0	913.04(B)	Epoxy Resin

Or...



WHERE IS THE QPL?

NJTA website → Doing Business → Construction & Maintenance Qualified Products List (QPL)

Download the QPL Manual for more information.

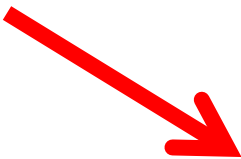
- QPL Manual *08-30-2017*
- Quarterly QPL Report *08-30-2017*

NJTA Qualified Products List (QPL)

Go here for more information regarding the QPL:
<http://www.state.nj.us/turnpike/construction.html>



QPL #	Product Name	Supplier Info	
Product Type: <u>904.03</u> Product Description: <u>Crack Sealant.</u>			
164	Asphalt Rubber Plus	Crafco Inc. Contact: Thomas Pfuelb 7431 Chestnut Ridge Rd Orchard Park, NY 14127 - Phone: 716-649-4266	tmp@crafco.com
410	Asphalt Rubber Plus	CRAFCO, Inc. Contact: jane doe 6165 W. Detroit Street Chandler, AZ 8226 -	sales@crafco.com



2016 SPECIFICATIONS – WHAT'S NEW?

Improved Specifications

- DCAs since 2004
- Program Lessons Learned
- Division 800 Traffic Control

PS&E Delivery

- CapEx Enhancements
- Specifications Delivery

Qualified Products List

- Product information removed from Specifications
- Division 900 and Materials Subsections updated and re-purposed

WHY A QPL?

- 1. To Keep Up with the Pace of Technology**
- 2. To Organize Product Information**
- 3. To Streamline Product Submittal Process**

Organizing Product Information

Product Information under 2004 Standard Specifications

Standard Spec. - Body

502.02 Materials.

The pipe joint patch material shall be Waterplug as manufactured by Thoro System Products, P. P. O. Box 442, Huntington, NY 11743-0442 (telephone: 800-227-8410), or approved equal.

Standard Spec. – Div. 900

923.22 Epoxy Resin System.

Epoxy resin system for injection material to fill structural voids and cracks shall be a two-component, 100% solids, moisture insensitive, high modulus high strength epoxy resin adhesive such as Sikadur 35 Hi-Mod LV (Sika Chemical Corp.) Ph (800) 933-7452, Duralcrete (Tamms/Dural, Kirkland, IL Ph (800) 862-2667, Thermal-Chem Injection Resin, Product No. 2 (Thermal-Chem, Inc. Ph (800) 635-3773, or Concessive 1380 (Master Builders Technologies Ph (800) 628-9990)), or an approved equal.

The pressure injected epoxy shall be capable of penetrating the cracks and voids to their full depths and bond to surfaces of cracked concrete and/or structural steel.

Question: How do you determine what products can be used for a given project?
Answer: Manual effort.

Supp. Spec. - Body

432.02 MATERIALS

(A) MSE Wall Systems

The following MSE Wall Systems are per

Sine Wall MSE Panel System
Sine Wall, LLC
7162 Liberty Centre Drive, Suite 105
West Chester, Ohio 45069
www.sinewall.com
513-759-2345 Office
513-297-7930 Fax

Supp. Spec. – Div. 900

923.22 EPOXY RESIN SYSTEM

Delete this Subsection in its entirety and replace it with the following:

(B) EPOXY RESIN FOR INJECTION

Epoxy resin system for injection material to fill structural voids and cracks shall be a two component, 100% solids, moisture insensitive high modulus high strength epoxy resin adhesive such as:

Sikadur 35 Hi-Mod LV, Sika corp. 800.933.7452
Duralcrete, Euclid Chemical Co., 800.862.2667
Thermal-Chem Injection Resin, Product No. 2, Thermal-Chem, Inc. 800.635.3773
SCB Concessive 1380 BASF Corp. 800.433.9517
CI-060 Crack Injection System, Hilti Inc. 800.879.8000



QPL PROGRAM GOALS

Safety

- Industry and DOT Standards
- Field Tests

Integrity

- Subject Matter Experts
- Data-driven

Innovation

- New Product Evaluations
- Paperless Management

Sustainability

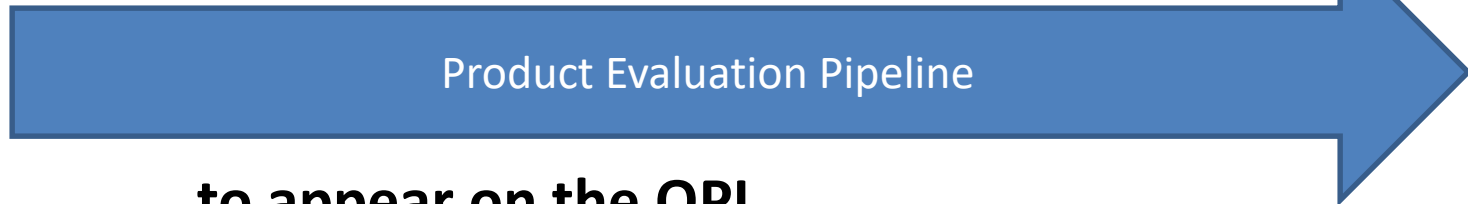
- Competition; Costs; Compliance
- Process Improvement; Scalability

Service

- Effective Evaluations
- Pursuit of these Goals

HOW DOES THE QPL WORK?

Vendors (manufacturers/suppliers) submit product...



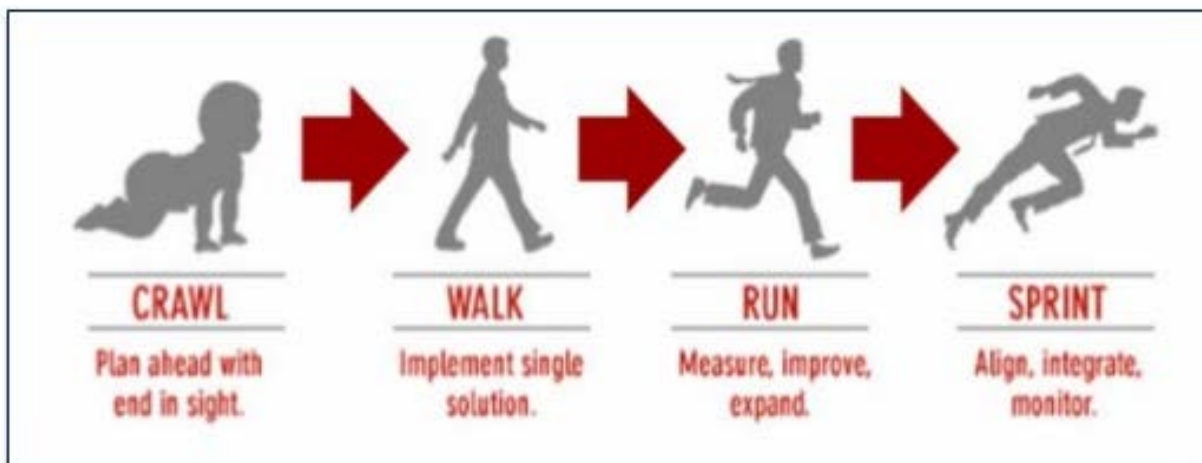
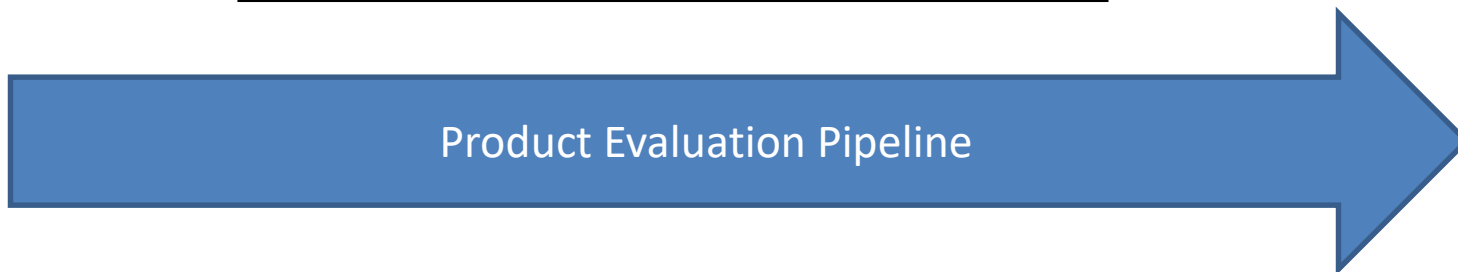
... to appear on the QPL.

QPL is utilized throughout life of Projects...



...with data being collected for use during evaluations.

PROGRAM DEVELOPMENT



PRODUCT SUBMITTAL

As documented in QPL Manual

1. Vendors register in CapEx.

Detail

Similar existing Company Names will be displayed as you type.
* Exact duplicate Company Names are not allowed.

Vendor Name *

Annual Gross Receipts

Year Company Was Formed *

Website

Background Description

Profile Type Contractor Consultant Manufacturer Supplier

Consultant on behalf of NJTA? Yes No

Does This Company wish to Bid on NJTA Opportunities? Yes No

Federal Tax ID *

NJTA Vendor ID

Bidder ID NJTA

Profile Disabled? Yes No

Status: Not Submitted

Created By: Alexander Kaufman on 03-02-2015 01:24 PM EST

Last Updated By: David Siegler on 06-02-2015 11:21 AM EDT

Physical Address

Address *

(No PO Boxes)

Country *

City *

State *

Zip *

Mailing Address different than Physical Address

Address *

Country *

City *

State *

Zip *

Contact

Name *

Phone * US 1- - - Ext.

Non-US

Fax US 1- - -

Non-US

Email *



PRODUCT SUBMITTAL

2. Vendor creates product application



[Printer Friendly Version](#)

QPL Product

Product Submission

Product Name: Duracrete II FT

Status: Submitted

Product Description: Duracrete II FT is a very rapid setting, non-staining, and non-metallic cement based repair mortar.

Expiration Date: Not Available

Product Ownership: Proprietary

Manufacturer: [Kaufman Products, Inc.](#)

Submitted By: Kaufman Products, Inc.

Product Website: www.kaufmanproducts.net

Year Placed on Market: 2011

Suppliers		
Company Name	Status	Internal Remark
Kaufman Products, Inc.	Accepted	

Product Type [Edit](#)

Name	Description
905.15	Non-Shrink, High Early Strength Mortar.
923.09	Epoxy Mortar.
923.09(A)	Epoxy Resin
923.09(B)	Aggregate

Meets Requirements of the Following Organization

Organization	Specification
ASTM	C-191, C-109, C-882, C-78, C-157, C-672, C-1202, C-469

Performance Record

Project Name	Agency	Reference Name and Contact Information							
		Name	Employer	Phone	Email	Address	City	State	Zip
12 Street Sidewalk	TNDOT	Jeff	City of Bristol TN	423-989-5525	jtester@bristoltn.org	801 Anderson St	bristol	TN	37620
Ablemarle County / Contract# (NFO) 0677-002-823, C501, B646	VDOT	TC Williams	B Williams Resource	276-495-8235	bwres24@yahoo.com	Sawmill Holw	Dante	VA	24237
Exit 7, Bristol, VA / Contract# (FO) 0081-101-704,C501,B605	VDOT	Dave	Orders Construction	304-546-5663	joshl@ordersconstruction.com	605 Lithia Road	Wyethville	VA	24382



PRODUCT SUBMITTAL

2. Vendor creates product application (cont'd)

Document Management

[Duracrete II FT](#) > Additional Information Documents

9 Documents

Name	Actions	Locked By	Revision	Size	Revision Date
190-197.pdf			0.0.1	208 KB	08-01-2016 11:54:43 AM EDT
197.pdf			0.0.1	48 KB	07-14-2016 02:30:40 PM EDT
CTL - ASTM C-157 - AASHTO T-160 - Length Change.pdf			0.0.1	81 KB	08-01-2016 11:55:31 AM EDT
CTL - Freeze Thaw Resistance-VDOT Test Method.pdf			0.0.1	118 KB	08-01-2016 11:55:31 AM EDT
Munsell Evaluation Report.pdf			0.0.1	17 KB	08-01-2016 11:55:32 AM EDT
NELSON - 5-16-16 - ASTM C109.pdf			0.0.1	1130 KB	08-01-2016 11:55:32 AM EDT
NELSON - 5-16-16 - ASTM C882 (1).pdf			0.0.1	1129 KB	08-01-2016 11:55:32 AM EDT
NELSON - 5-16-16 - ASTM C882.pdf			0.0.1	1129 KB	08-01-2016 11:55:33 AM EDT
NELSON - 5-16-16- ASTM C109.pdf			0.0.1	1130 KB	08-01-2016 11:55:34 AM EDT

Product Evaluation [Edit Evaluation](#)

Consultant Recommendation: Reject

Expiration Date: *Assign by QPL Manager*

QPL Technical Committee [Edit](#)

User Name	Company
No Records Found	

NJTA Performance Record [Edit](#)

Contract Number	Team	Satisfactory	Rating	Remark
No Records Found				

Comments

Log	Commented On	Commented By	Comment	Display Externally
No Records Found				

Display Externally



PRODUCT SUBMITTAL

2. Vendor creates product application (cont'd)

Comments

Log 0 Record(s)			
Commented On	Commented By	Comment	Display Externally
No Records Found			
			<input type="checkbox"/> Display Externally <input type="button" value="Add Comment"/>

Workflow

History

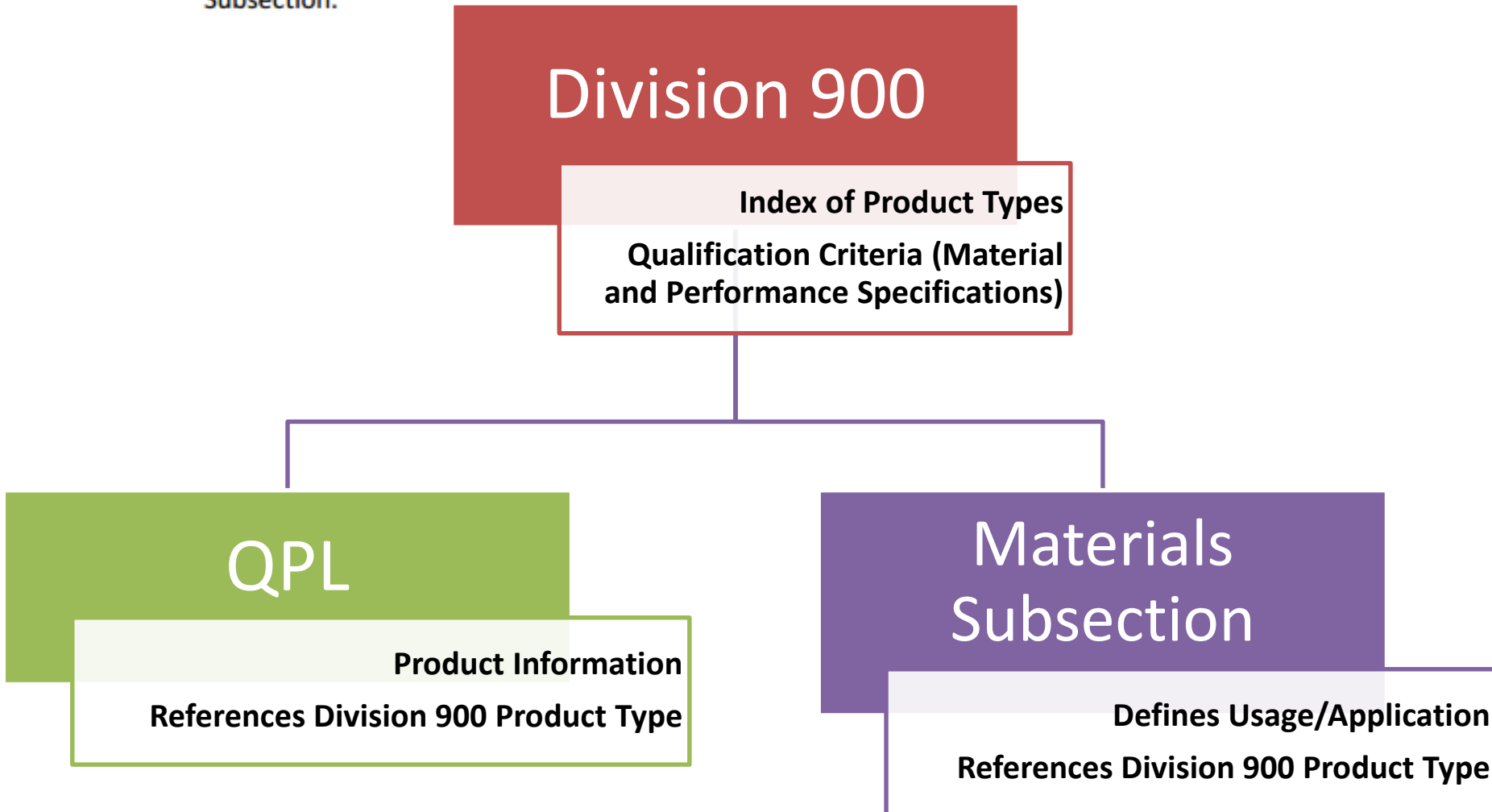
Responded On	Responded By	Role	Action	Comment
08-26-2016 10:43:33 AM EDT	Alexander Kaufman	QPL Manager/Vendor Administrator	Submitted	
09-08-2016 02:02:28 PM EDT	John Nakonechy	QPL Consultant	Submitted	Manufacture requested approval for 923.09 - "must be Epoxy Based", 923.09(A) Epoxy Resin - "Epoxy Resin shall be a two component". Manufacture requested approval for 923.09(B) Aggregate - Need Gradation
09-12-2016 09:22:14 AM EDT	David Siegler	QPL Manager	Returned	
09-12-2016 09:22:32 AM EDT	David Siegler	QPL Consultant	Returned	Manufacturer requested approval for 923.09 - "must be Epoxy Based", 923.09(A) Epoxy Resin - "Epoxy Resin shall be a two component". Manufacturer requested approval for 923.09(B) Aggregate - Need Gradation
11-01-2016 03:57:02 PM EDT	Alexander Kaufman	QPL Manager/Vendor Administrator	Submitted	
	Jean-Pierre Ravetier/John Nakonechy/David Siegler	QPL Consultant		Submit Pending

Comment



WHAT IS A PRODUCT TYPE?

Product Type – A category under which the product falls. Corresponds to the Specification Subsection.

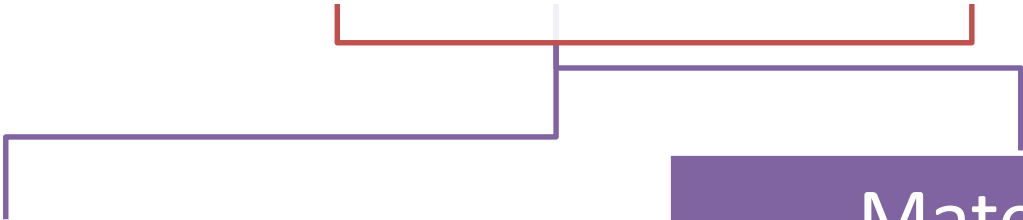


WHAT IS A PRODUCT TYPE?... EXAMPLE

Division 900

904.03 Crack Sealant.

Asphalt vulcanized rubber crack sealant shall be from an approved supplier as listed on the QPL. All materials shall be used in strict accordance with the manufacturer's instructions.



QPL

Product Type:	904.03	Product Description:	Crack Sealant.
164	Asphalt Rubber Plus	Crafco Inc. Contact: Thomas Pfuelb 7431 Chestnut Ridge Rd Orchard Park, NY 14127 Phone: 716-649-4266	

Materials Subsection

302.02 Materials.

Materials shall conform to the following Sections and Subsections:

CRACKSEALANT	904.03
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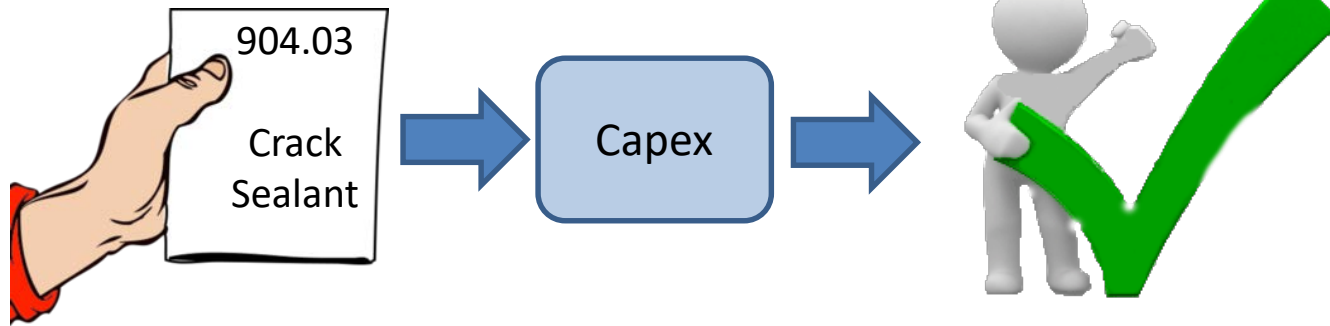


PRODUCT EVALUATION

Preliminary Review

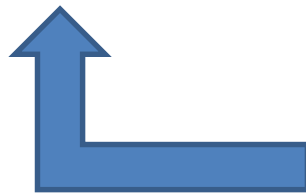
VENDOR

NJTA



Vendor, Supplier, or Manufacturer submits their product against a specification product type via CapEx

NJTA and QPL Consultant are notified and perform a preliminary review to ensure product type is correct and documentation is complete



PRODUCT EVALUATION

Technical Review

**Technical Committee of Subject Matter
Experts (SMEs)
from the Authority and QPL Consultant**



Evaluation could result in:

- 1. Additional RFIs to Vendor**
- 2. Re-evaluation of existing Qualification Criteria**
- 3. Field or Lab Test Assignment**
- 4. Approval or Rejection**

PRODUCT EXPIRATION & RESUBMITTALS

As described in QPL Manual.

RENEWALS

A product expires from the QPL after 5 years. The renewal process will typically be an abbreviated version of the Product Submittal procedures.

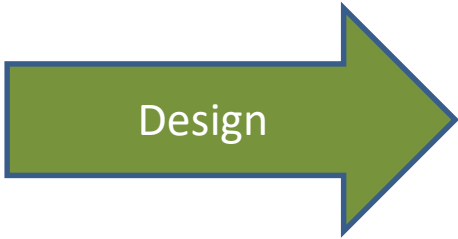
RESUBMITTALS

Products that have expired may be re-submitted at any time for re-evaluation. All data that was entered upon the previous submittal will be saved.

Products that are approved but have had their qualification criteria updated may be re-submitted any time after the update.

Products that are rejected will not be re-evaluated by the Authority unless:

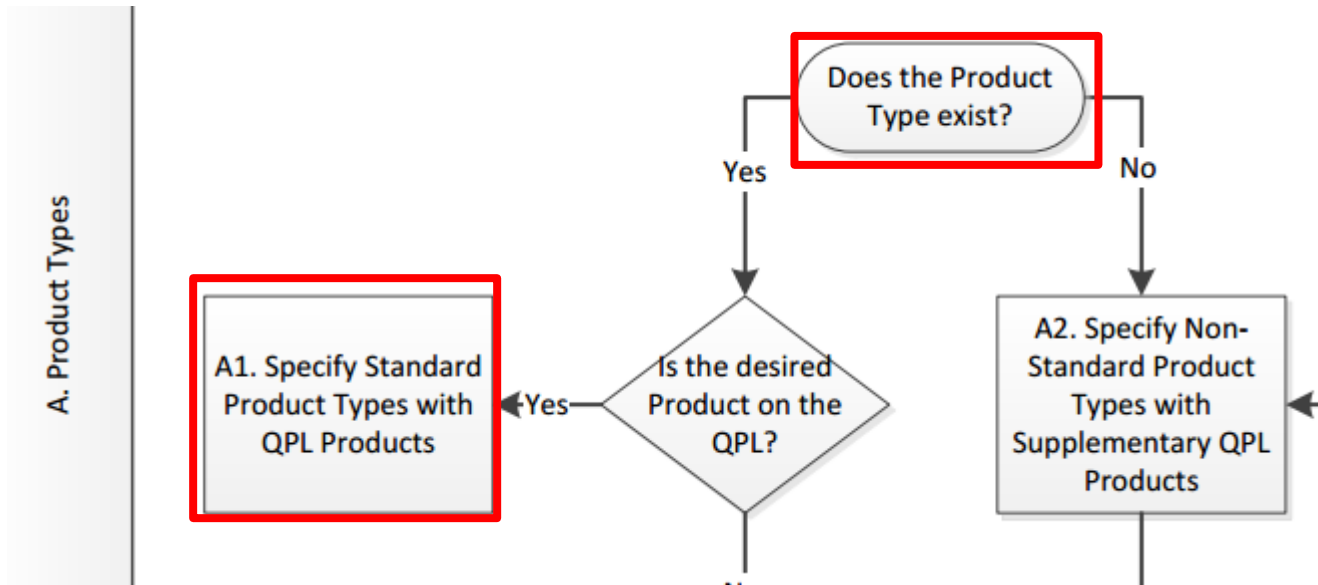
- It can be proven that the product has been significantly improved.
- The Authority qualification criteria were changed to a less restrictive standard.

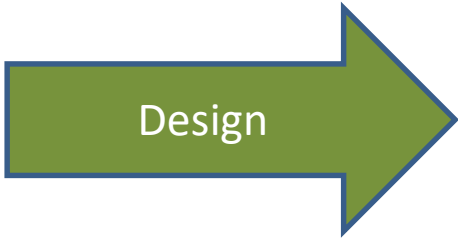


DESIGNERS

As documented in CapEx & Specifications Design Guidelines

Standard vs. Non-Standard Product Types





DESIGNERS

As documented in CapEx & Specifications
Design Guidelines

NJTA Qualified Products List (QPL)

Go here for more information regard
<http://www.state.nj.us/turnpike/con>

1. Identify

QPL #	Product Name	Supplier Info
Product Type: 905.15 Product Description: Non-Shrink, High Early Strength Mortar.		
25	Rapid Set DOT Repair Mortar	CTS Cement Mfg

2. Incorporate any Standard Supplementary language

3. Cross-Reference in appropriate Section(s):

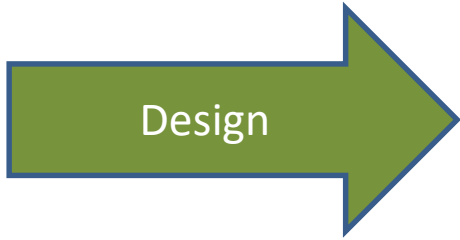
NON-SHRINK, HIGH EARLY STRENGTH MORTAR 905.15

Repairs shall be performed using the following materials:

4. Add Usage

Repair	Material Description
Concrete Deck Replacements and deck repairs	Class A concrete.
Concrete deck replacements and deck repairs with construction duration less than four (4) days but greater than 24 hours	Class A, High Early Strength concrete.
Deck repairs with construction duration less than 24 hours	Non-shrink, high early strength mortar.
Concrete Bridge Barriers	Class A





DESIGNERS

As documented in CapEx & Specifications
Design Guidelines

FAQs:

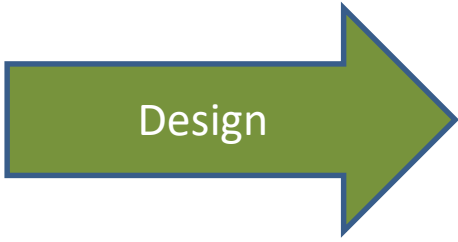
How do I ADD project-specific products that are not on the QPL?

How do I recommend DELETION of products from the QPL?

How do I CORRECT product information in the QPL (or Spec)?

Answer:

Appendix Q - Supplemental Products List



DESIGNERS

As documented in CapEx & Spec Design Guidelines

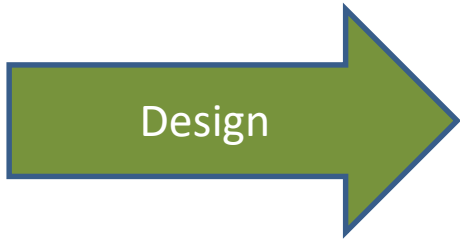
Appendix Q – Supplemental Products List

At Phase C and D, submit:

Supplemental Products Spreadsheet (posted on web)

Supp QPL Category	Supp QPL Category	Supp QPL No.	Product Type	Product Type Description	Proprietary?	Product Name	Manufacturer
1	Standard Product Type	1	904.08	Latex Additive Tack Coat	Proprietary	Goodyear Latex	Goodyear Rubber and Tire Co., Inc.
1	Standard Product Type	2					
2	Non-Standard Product Type	3	907.02(F)	Preformed Silicone Joint Seal	Proprietary	Siloflex Gland and Adhesive	R.J. Watson, Inc.
2	Non-Standard Product Type	4					
3	Proposed QPL Deletions	5	905.15			Rapid Set DOT Repair Mortar	
3	Proposed QPL Deletions	6					
4	Proposed QPL Corrections	7	905.21				
4	Proposed QPL Corrections	8					





DESIGNERS

As documented in CapEx & Spec Design Guidelines

Appendix Q – Supplemental Products List

Spreadsheet is used by Contracts Section to generate Appendix Q and collect data:

Contract No. T100.404

Appendix Q - Supplemental QPL

This Appendix adds products to the Qualified Products List (QPL) found on the Authority website. This Supplemental QPL is for this Contract only. The appearance of a product in this Appendix does not constitute an endorsement by the Authority nor does it imply a commitment to purchase, recommend, or specify the product on any other Contract.

Product Type: <u>401.08</u>	Product Description: <u>Forms</u>
1 SIP Forms	J. Anthony Equipment Co 4201 So. Clinton Avenue South Plainfield , NJ 14075 Contact Name: Robert Anthony Website: http://janthonyequipment.com/ Office Phone: 908-222-1190
Product Type: <u>418.03</u>	Product Description: <u>Bridge Structural Repairs</u>
2 Deck Mix AE	Kenseal





Construction

BID/CONSTRUCTION PERIOD

STATUS CONDITIONS OF QPL PRODUCTS FOR CONTRACTORS TO REFERENCE

1. **Approved** – The product may be used on Authority contracts.
2. **Expired** – The product was previously approved and is awaiting resubmittal. A certificate of compliance, per Specifications Subsection 105.04, is required to use products in this status.
3. **Disapproved** – The product is not allowed to be used under any circumstances.
4. **Discontinued** – The product is no longer available.



Construction

CONSTRUCTION PERIOD

NEXT STEPS:

1. Develop report for construction supervision use, listing standard and supplemental products approved for use on that project.
2. Develop standard procedure to collect product usage.
3. Allow construction supervision access to QPL data when evaluating approved equals, *e.g. if a product was rejected under QPL Product Evaluation, it should not be allowed as approved equal. If a product is rejected as an approved equal, QPL committee should be aware.*



Maintenance

MAINTENANCE PERIOD

NEXT STEPS:

1. Track product usage by location.
2. Track products under field testing.
3. Identify products involved in failures/accidents.

eGIS integration!

SUMMARY

