Polymer Nation Chemical Company, LLC
405 Oakwood Ave, Waukegan, IL 60085 | (847) 774-5038
polymernation.com | sales@polymernation.com

MISCELLANEOUS PRODUCTS

C-55

TECHNICAL DATA SHEET

COMPONENTS
1

DESCRIPTION

C-55 is used to accelerate the cure time for the following products: P-20 2K Pigmented Polyurea; P-21 2K Clear Polyurea; and Urethane Concrete products F-52 SL 28, F-52 SL 36, F-52 TD and F-52 D. It is important to note that while the cure times will be shorter, the working time will also shorten when using this additive; for additional information, see Technical Data Sheet of products listed above before using C-55. C-55 is packaged in a 1 oz. bottle.

RECOMMENDED USES

C-55 should be added to Part A of the product listed above and thoroughly mixed into the liquid resin. Once thoroughly mixed, the additional components (Part B and/or Part C) may be added to the mix vessel. Take caution to not overmix the product, as this will reduce even further the working time. If desired, a partial amount of the C-55 Accelerator may be used instead of the entire contents of the bottle. Testing is required by the user to make sure the reduced working time can be installed properly by the crew. For further instruction and information, contact us at lab@polymernation.com.

SURFACE PREPARATION

The coating installer should fully read and understand ICRI310.2R-2013 and OSHA 29 CFR 1926.1153 before starting preparatory work. The aim, of preparing a substrate for coating applications, is to roughen the surface, remove weak layers, contaminants, dirt, debris and present a solid, clean, dry substrate for the primer. If unsure as to the level of preparation needed contact Polymer Nation at techservice@polymernation.com

MIXING

C-55 should be added to Part A of the product listed above and thoroughly mixed into the liquid resin. Once thoroughly mixed, the additional components (Part B and/or Part C) may be added to the mix vessel. Take caution to not overmix the product, as this will reduce even further the working time.

COMPONENTS

GENERAL PRODUCT INFORMATION

Chemistry	Miscellaneous Products
Number of Components	1
Gel / Working Time	P-20/P-21: With C-55 8-10 min / Without C-55 25-30 min; F-52 Urethane Concrete (SL 28, SL 36, TD, D): With C-55 8-10 min* / Without C-55 12-15 min*

Working Time (at 72F/40% RH). * Return to Service and Working Time will vary based upon the F-52 product being used; this is due to the varying amount of aggregate and cement in each product.

CURE SCHEDULE

Dry to Light Use	Return to Service — P-20/P-21: With C-55 1.5-2 hours / Without C-55 3-4 hours; F-52 Urethane Concrete (SL 28, SL 36, TD, D): With C-55 4-6 hours* / Without C-55 8-12 hours*

COVERAGE & PACKAGING

Packaging	1 oz.

STORAGE, HANDLING & SAFETY

Store material in a protected dry location, away from direct sunlight and freezing. Refer to the current Safety Data Sheet (SDS) for this product before handling, mixing, or applying. Use appropriate personal protective equipment and ensure adequate ventilation during application and cure. Dispose of material, containers, solvents, etc., per Federal, State and local guideline, rules and laws

TEST DATA

Test data has been gathered from testing conducted by independent, internal and third party testing. The best way to compare coating performance is by head-to-head independent testing as this removes the numerous variables found between testing standards, equipment and testing agencies.

TYPICAL VALUES

The information here is general information to help our customers determine whether our products suit their specific applications. Our products are intended for sale to commercial and industrial customers. We require that customers inspect and test our products before use to satisfy themselves as to the content and suitability for the applications they intend to use our products. Nothing herein shall constitute any warranty expressed or implied, including any warranty of merchantability or fitness for a particular purpose, nor is any protection from any law or patent to be inferred. The exclusive remedy for all proven claims is the replacement of our materials, and we shall not be liable for incidental or consequential damages. Polymer Nation Chemical Company LLC, 405 Oakwood Ave. Waukegan, IL 60085. All rights reserved.