

# Perdure PJF

## Polyurea Joint Filler and Crack Repair

### DESCRIPTION

Perdure PJF is a polyurea-based rapid setting, low viscosity joint filler as well as crack repair product. It consists of Part A and Part B formulated for rapidly rebuilding deeply spalled or damaged concrete surfaces, broken control joint walls, and repairing cracks and spalls in concrete surfaces. Perdure EJP is intended for use in warehouses, factory floors, cold storage areas, loading docks, and parking decks where a quick return-to-service is very important.

### ADVANTAGES

- Quick return-to-service (with 30 minutes)
- Satisfies OSHA requirements for facility safety and surface conditions
- Fuel resistant
- Low viscosity—Easily fills small cracks
- Does not become brittle as it ages
- Can be used in low-temperature areas

### SUBSTRATE REQUIREMENTS

- The concrete surface must be a minimum 28-day cure before performing the application of Perdure PJF.
- Clean the areas and remove all unsound concrete, grease, oil, paint, asphalt, tar, and other foreign materials that will inhibit proper adhesion.
- Prepare the surface using a dry diamond blade or twisted wire wheel for spalls.
- Cut the perimeter of the damaged area with a diamond blade to form a mechanical key.
- Chase and open the cracks to allow the product to penetrate and fill the gap.

### WARRANTY

Information regarding Duraamen products is based upon extensive research provided by the supplier of the raw materials. By making such information available, Duraamen Engineered Products Inc. does not assume any liability beyond express terms of our standard limited material warranty. Duraamen Engineered Products does not warrant the accuracy or completeness of any such information, whether conveyed orally or in writing, but to the best of our knowledge believe it to be accurate. We reserve the right at any time and without notice to update or improve our products and process for the intended use or application. Duraamen Engineered Products (Duraamen) warrants for a period of one (1) year that its products will be free of manufacturing defects and will be in conformity with published specifications when handled, stored, mixed and applied in accordance with recommendations of Duraamen. If any product fails to meet this warranty, the liability of Duraamen will be limited to replacement of any non-conforming material if notice of such non-conformity is given to Duraamen within 1 (one) year of delivery of materials. Duraamen may in its discretion refund the price received by Duraamen in lieu of replacing the material. No customer, distributor, or representative of Duraamen is authorized to change or modify the published specifications of this warranty in anyway. In order to obtain replacement or refund the customer must provide written notice containing full details of the non-conformity. Duraamen reserves the right to inspect the non-conforming material prior to replacement EXCEPT FOR THE EXPRESSED WARRANTY STATED ABOVE, THERE ARE NO OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING WITHOUT LIMITATION, ANY IMPLIED WARRANTY OR MERCHANTABILITY OR FITNESS FOR PURPOSE. DURAAMEN'S OBLIGATION SHALL NOT EXTEND BEYOND THE OBLIGATIONS EXPRESSLY UNDERTAKEN ABOVE AND DURAAMEN SHALL HAVE NO LIABILITY OR RESPONSIBILITY TO THE PURCHASER OR ANY THIRD PARTY FOR ANY LOSS, COST EXPENSE, DAMAGE OR LIABILITY, WHETHER DIRECT OR INDIRECT, OR FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES.

### APPLICATION

- Using a jiffy mixer or other multi-bald mechanical mixer to the two parts of Perdure PJF and 1:1 ratio. Mix for no more than 30 seconds.
- Pour the mixed material in the cracks until it is filled. For larger, broader, and deeper areas, this pure mix of Part A and B is used as a primer by applying over the entire surface.
- For cracks or spalls greater than 1/16 inch, mix desired blend of sand into the mixed Part A and B. Typically, 1 Pint of Part A is mixed with 1 Pint of Part B along with 2 quarts of the sand. Mix the two parts along with the sand for about 30 seconds.
- As soon as the mixing is completed, pour the material and work into the repair area quickly. Screed to the finished grade and allow to set.
- After the product is set, grind the surface using a grinder fitted with a fine grit Zec wheel. Work in a circular motion to grind/ smooth to finished grade.
- If the surface is too rough, a neat coat of Perdure EJP can be applied with no sand.

### TECHNICAL DATA

Solids	70%
Gel Time	3 to 5 min at 70°F
Shelf Life	1 year
Hardness ASTM 2240	Shore D70
Mix Ratio	1:1
Tack Free ASTM D2471	5 to 10 minutes
Tensile Strength ASTM	4500 psi filled
Tear Strength ASTM 624-C	200psi
Elongation ASTM D124	8%
Viscosity @ 25°C (Mixed)	18-20 cps
VOC (g/L)	2.5 (Part A), 4.5 (Part B)
Color	Clear



