

## 692 UNICURE SOLID SEAL

**692 UniCure Solid Seal is a two component solvent free epoxy surface sealer for use in combination with 690 UniCure Solid Prime. The special tixotropic behavior, using the latest technology, makes it possible to spray over 300 microns or higher in one application. It is very suitable for application in confined spaces such as tanks and holds. A grain certificate is available for this product. Its excellent long term flexibility allows application in situations where reversed impact is required at various temperatures. 692 UniCure Solid Seal is part of the system in which 690 UniCure Solid Prime is the corrosion penetrating basic product. The whole system is designed to have a maximum water resistance within 72 hours or less depending on temperature.**

### FEATURES

- 100% solids;
- no solvent retention;
- no volatile organic chemicals (VOC's);
- long term flexibility;
- surface tolerant;
- low odour system;
- non flammable;
- excellent water resistance;
- compatible with most shop primers and other epoxy systems;
- application without pre heating from 13°C or higher;
- heavy duty properties;
- immersion qualified;
- ocean proofed;
- splash zone resistant;
- super high solid;
- easy application.

### WORKING PROCESS

Mixture:	692 UniCure Solid Seal Base component 6,7 parts by volume Activator 990 LT, 991 NT, 992 HT 2,6 part by volume.
Mixing instructions:	It is important that the base component and activator of 692 UniCure Solid Primer are thoroughly mixed. Mechanical mixing during at least 3 minutes is necessary. Make sure that ALL part B is poured into the part A can.
Thinning:	The paint is specially developed to be applied WITHOUT solvents.
Potlife:	At 20°C 75 minutes (mixed product).
Conditions during application:	Substrate temperature should not be lower than 5°C. Relative humidity should be lower than 90%. Temperature of the surface should be at least 3°C above dew point. Make sure the paint is stored at a temperature that spraying is possible. The minimum temperature of the paint before spraying is 15°C.

### PERFORMANCE AND PROPERTIES

#### Aesthetic product properties

Colour: Off white

#### Product properties

Volume solids:	100 volume % (mixed product)
VOC:	0 gr/ltr.
Density:	At 20°C 1,20-1,30 kg/ltr (mixed product)
Dry Film thickness:	Standard: 200 µm (depends on application process)
Theoretical coverage:	At a dry film thickness of 200 µm 5,0 m <sup>2</sup> /ltr.
Practical coverage:	The performance in practice depends on various circumstances. As a guideline for large dimensions: 95% of the theoretical coverage. For small dimensions: 85% of the theoretical coverage.
Dry times:	20°C    30°C
Manageable:	12 hours    8 hours
Recoatable:	21 days    10 days

## CONTINUATION WORKING PROCESS

Method of application: Do not dilute 692 UniCure Solid Seal with any solvent.  
Use the following guideline for spraying:

Basic air pressure: 8 bar  
Pressure ratio: 1:56  
Spray pressure: 500-530 bar  
Nozzle: 1088521 50° angle (nozzle 21)  
Filter type: standard white

As soon as you have the paint mixed it is important to use the first three minutes to pump the paint through the total system (free gun) without a nozzle. This will improve the spraying pattern because the viscosity will drop slightly. This will also improve the mixing of the paint.

Tip size 19 or 21 with a spray angle of 50 degrees is advised. Cleaning the equipment is normally done with xylene. Other available organic solvents with aromatic contents can be used. Smaller parts or difficult to reach areas can be coated with brush or roller. Do not dilute Solid Seal with any solvent. The paint is specially designed to be applied WHITOUT solvents. Always check the wet layer thickness during the application to ensure the minimum layer thickness.

System 1  
Long service life system with St2 preparation by HPWJ -750 bar or higher Norsok M501 paint system 3B:

Application technique	Thickness in µm
Solid Prime	100 µm min-spray
Solid Seal	200 µm min-spray
Solid Stripe	150 µm min-brush*
150 micron average on edges and weldings.	

## ENVIRONMENT AND HEALTH

Labelling: In accordance with EU directions 67/548/EEG and in accordance with directives on hazardous materials. Harmful and irritating in contact with skin, eyes and by inhalation. In case of eye contact, immediately wash with large amounts of water and contact a medical expert. Do not eat, drink or smoke during application.

UN: 1263

## PRE-TREATMENT

### Surface preparation:

The minimum surface preparation is defined as St2 conform the Norsok M501 specification. Depending on the circumstances the surface can be cleaned with hand tool or by blasting or water jetting. Blasting in confined spaces is in general limited to 750 bar hydro jetting. If the surface is heavily corroded some spots must be cleaned by mechanical tools such as chipping or needle hammering. It is recommended to clean the surface after blasting with a biodegradable surfactant to ensure that the paint has the optimum possibility to penetrate and adhere to the remaining corroded parts. To remove all soluble salts the surface should be washed with fresh water before applying any coating.

### Application:

If large parts of the existing paint system are still adhering well, clean the remaining old paint with a special detergent and wash the surface afterwards with tap water. Always follow the advice of the supplier of the detergent to obtain the best result for adhesion.

If the 690 UniCure Solid Prime is used over existing coatings always check the adhesion by cross cut testing.

## PRODUCT INFORMATION

Packaging: 5, 10 and 20 ltr cans. Thinner in 5 ltr jerry cans.

Shelf life: In original well shut packaging 12 months, stored inside at temperatures between 5°C and 40°C.

**PROTECTIVE COATINGS**

Our 'protective coatings' excel by virtue of their durability, flexibility, adhesion, easy application, anti-corrosion, and chemical and mechanical resistance. This is the result of our vast competence in coating chemistry, combined with a good eye for our client's requirements and wishes. The coating systems conform to ISO 12944 and comply with international VOC guidelines.

**TOUCH UP**

Touching up of damages or untreated parts at the construction site. Remove grease, oil, dirt etc. using an appropriate cleansing agent, for instance ENVICLEAN PR (for use see product sheet). Remove the rust from all mechanical damage caused by transport and mounting, untreated welding strips and welding spots and burns with rotating steel wire brushes, sanding discs or steel wire brushes and coarse sandpaper to purity degree St3, in accordance with ISO 8501-1.

Smooth the transition of cleansed parts to parts with intact coats of paint by sanding and scraping.

After sanding, remove all dust from the entire surface with compressed air which is free of moisture and grease. Then touch up the object with the entire paint system, as described in this paint advice.

Touch up light surface damages only with the product of the top coat, as described in the paint advice.

**MAINTENANCE**

It is recommended to clean the surface regularly and to inspect the coats of paint for defects annually. Touch up any defects with the original paint system.

**CONTROL & SUPPORT**

Baril Coatings B.V. offers more than just advice. We offer a total service solution to the principal, the architect, the main contractor and the painting contractor.

In order to ensure the required performance in terms of durability, Baril Coatings offers full technical support and supervision during implementation and completion of the application process, all in accordance with the ISO 12944 guideline.

The supervision and support provided by Baril Coatings does not relieve the painting contractor of his responsibility for the work carried out by him. The painting contractor must thoroughly familiarize himself with the most recently updated product data sheets and the general terms and conditions of Baril Coatings for protective coatings on steel. Baril Coatings is not responsible for application and the application conditions. The final durability depends mainly on factors that are outside our control and for that reason we cannot accept any liability.

**WARRANTY & DISCLAIMER**

This Product Data Sheet supersedes those previously issued. Data, specifications, directions and recommendations given in this data sheet represent only test results or experience obtained under controlled or specially defined circumstances. Their accuracy, completeness or appropriateness under the actual conditions of any intended use of the Products herein must be determined exclusively by the Buyer and/or User. The Products are supplied and all technical assistance is given subject to our UNIFORM CONDITIONS OF SALE AND DELIVERY FOR PAINT, PRINTING INK AND OTHER PRODUCTS unless otherwise expressly agreed in writing. The Manufacturer and Seller disclaim, and Buyer and/or User waive all claims involving, any liability, including but not limited to negligence, except as expressed in said UNIFORM CONDITIONS for all results, injury or direct or consequential losses or damages arising from the use of the Products as recommended above, on the overleaf or otherwise. Product data are subject to change without notice.

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