

# BONDET PUTTY

(BP)

## PRODUCT DESCRIPTION

**BONDET PUTTY**, based on epoxy resin and polyamide resin combination, has excellent physical properties such as adhesion, impact and abrasion resistance, etc., and chemical resistance to salt water, oil, alkalis and dilute acids, and is suitable for putty of tank interiors and underwater areas.

## PRODUCT INFORMATION

<b>Type</b>	Epoxy putty				
<b>Recommended Use</b>	As protective coating against galvanic corrosion around the anode, and touching up of pitting corrosion occurring on exterior hull and tank inside.				
<b>Type of binder</b>	Epoxy/Polyamide resin				
<b>Mixing Ratio</b>	Base : Hardener = 50 : 50 (by volume)				
<b>Color</b>	Grey				
<b>Flash point</b>	Base : - °C,                      Hardener : - °C				
<b>Solids by Volume</b>	100% (theoretical)				
<b>VOC</b>	29 g/l (EPA Method24), 33 g/l (Korea Clean Air Conservation Act)				
<b>Coverage(Theoretical)</b>	0.50 m <sup>2</sup> /l [2.00 l/m <sup>2</sup> ] at D.F.T 2000 μm				
<b>Wet Film Thickness</b>	2,000 μm				
<b>Dry Film Thickness</b>	2,000 μm				
<b>Drying Time</b> (at D.F.T. 2000 μm)	Temperature	5°C	10°C	20°C	30°C
	Surface Dry	7 hrs.	5 hrs.	3 hrs.	2 hrs.
	Hard Dry	26 hrs.	18 hrs.	8 hrs.	5 hrs.
<b>Painting Interval</b> (at D.F.T. 2000 μm)	Minimum	14 hrs.	10 hrs.	6 hrs.	4 hrs.
	Maximum	10 days	7 days	4 days	2 days
<b>Pot Life</b>		8 hrs.	6 hrs.	3 hrs.	2 hrs.
<b>Thinner</b>	EPICON THINNER, EPOXY THINNER A (for Cleaning)				
<b>Method of Application</b>	Spatula				
<b>Condition of Application</b>	Temperature	: Minimum	5 °C		
	Humidity	: Maximum	85 % R.H.		
	For Airless spray ;				
	Tip No.	:-			
	Paint output pressure	:-			
	Viscosity	:-			
<b>Preferable Preceding Coats</b>	-				
<b>Preferable Subsequent Coats</b>	Epoxy paint				
<b>Packaging</b>	Two pack product				

**TECHNICAL DATA (at 2,000 $\mu$ m)**

Item		Temp (°C)	-5	0	5	10	15	20	25	30	35	40
<b>Set to touch</b>			-	-	7H	5H	4H	3H	3H	2H	2H	2H
<b>Dry to recoat</b>	<b>Min.</b>		-	-	14H	10H	8H	6H	5H	4H	4H	3H
	<b>Max.</b>		-	-	10D	7D	5D	4D	3D	2D	2D	2D
<b>Dry to hard</b>			-	-	26H	18H	12H	8H	6H	5H	4H	3H
<b>Dry to immerse</b>	<b>Body</b>		-	-	-	-	-	-	-	-	-	-
	<b>Touch-up</b>		-	-	-	-	-	-	-	-	-	-
<b>Dry to Touch-up</b>			-	-	14H	10H	8H	6H	5H	4H	4H	3H
<b>Pot life</b>			-	-	8H	6H	4.5H	3H	2.5H	2H	1.5H	1H
<b>Shelf life (M)</b>			-	-	18M	18M	18M	18M	18M	18M	18M	18M
<b>Max. heat resistance</b>			120°C									

Abbreviation ; Y : Year, M : Month, D : Day, H : Hour, m : Minute

Notes :

1. Knead Base and Hardener thoroughly until color is turned homogeneous.
2. In common with all epoxy coatings, BONDET PUTTY will show chalking and fading on exposure to UV light.

**RECOMMENDABLE SURFACE PREPARATION**

All surfaces to be free from various contaminants (oil, grease, dust, spray dust and etc.) and keep surfaces dry. Kindly consult CSP sales office for specific information.

**SAFETY PRECAUTIONS**

In order to ensure safe use of our product, please be sure to follow the safety precautions indicated on the SDS and the paint container. If you need further explanation, do not hesitate to consult our personnel or our local distributors before buying, opening, using, or disposing the product. Since product contains flammable materials, keep away from sparks and open flame. No smoking should be permitted in the area on painting.

Wear an appropriate protector (eye and face protection, protective clothing, barrier creams, etc) when mixing, applying, or drying the paint. If products come into contact with the skin, wash thoroughly with warm water and soap or suitable cleaner. If the eyes is contaminated, irrigate with water and seek medical advice immediately.

**DISCLAIMER**

The information, including data, specifications, directions and recommendations, contained in this Data Sheet describes the experiment results under controlled or specially defined conditions and we do not guarantee that the Products, when used under the actual conditions of any intended use, will produce the same results. The performance of the Products in their actual use is affected by various factors, and the User must judge whether the Products are suitable for specific uses. We do not guarantee the performance of the Products under any specific operation environment other than the performance of the Products under the conditions described in this Data Sheet.

The content of this Data Sheet, which is intended for facilitation of the User's understanding and convenience of use of the Products, is subject to change at any time without prior notice. We use our best efforts to reflect the latest and most accurate information in this Data Sheet, but we will not bear any liability whatsoever relating thereto. The User must confirm that the Data Sheet is the latest version prior to using the Products.

We do not guarantee the performance or safety of the Products when used for a purpose or use other than what is described herein. Nor will we be liable for any explanation or guarantee provided by any distributor or sales agent with respect to the Products, other than what is described in this Data Sheet.

Furthermore, each of the Products described herein is composed of various chemical substances, some of which may contain toxic and/or harmful ingredients and may cause harmful results as a result of misuse or overuse of the Products. For specific causes of risk, conditions of use, harmfulness, etc. of each of the Products, please carefully read, prior to use of the Products, the MSDS (Material Safety Data Sheet) inserted in each of the Products. We will not be liable for any accident that may be caused in violation thereof.