

# TECHNICAL DATA

## AUSTRALIAN CHEMICALS & COATINGS PTY LTD

ABN 92 884 104 142



69 Quantum Close,  
Dandenong South  
Vic 3175

Ph: (61 3) 9799 9833

Fax: (61 3) 9799 9033

NSW Ph: (61 2) 9737 9772

QLD Ph: (61 7) 3865 5787

Email: [sales@auschem.com.au](mailto:sales@auschem.com.au)

Website: [www.auschem.com.au](http://www.auschem.com.au)

THIS CHEMICAL IS  
FORMULATED FOR

**WARNING** INDUSTRIAL USE ONLY

Contact with skin or clothing or other improper handling or use of this product may result in bodily harm or other damage. Before using or mixing the contents with other substances, all labels applied to container, the applicable Technical Data Sheet and Material Safety Data Sheet should be read and specific instructions and precautions followed to assure correct use and personal safety.

# VALVEGUARD™ E-BL53220-S7

## PRODUCT DESCRIPTION

VALVEGUARD™ E-BL53220-S7 is a Fusion Bonded Epoxy powder coating designed for inner wall of tap water pipelines; pipe flanges, elbows, valves & pumps; fittings for central heating and pipe & steel products for superior corrosion resistance.

## FEATURES

- Ease of application, excellent adhesion
- Smooth coating surface, low friction
- No harmful substance in the formulation
- Excellent mechanical & chemical properties
- Excellent cathodic disbanding resistance
- Excellent water resistance
- For use in contact with hot (85°C) and cold potable water ~ pending approval

## APPLICATION

Coating method: Electrostatic Spray or Fluidised Bed

Thickness: 350 ± 50µm (Strengthen 500 ± 50µm)

Surface Treatment: Sand Blasted

## TRANSPORT & STORAGE

Net Weight: 20kg cardboard carton

DG Class: N/A

Packaging Gp: N/A

Shelf Life: 6 months when stored below 30°C/dry conditions

Shipping: Non dangerous goods. No special transport

## HEALTH & SAFETY

Refer VALVEGUARD™ E-BL53220-S7 MSDS as an integral part of using this product as it contains information on the potential health effect of exposure.

Disclaimer: All statement, technical information and recommendations contained herein are based on tests we believe to be reliable, but the accuracy or completeness thereof is not guaranteed. No statement or recommendation shall constitute a representation unless set forth in an agreement signed by officers of seller and manufacturer. NO WARRANTY OF MERCHANTABILITY OR WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE IS MADE. The following warranty is made in lieu of such warranties and all other warranties, express, implied or statutory. Products are warranted to be free from defects in material and workmanship at the time sold. The sole obligation of seller and manufacturer under this warranty shall be to replace any product defective at the time sold. Under no circumstances shall manufacturer or seller be liable for any loss, damage or expense, direct or consequential, arising out of the use of or inability to use the product. No suggestion for product use nor anything contained herein shall be constructed as a recommendation to use any product in infringement of any patent rights and seller and manufacturer assume no responsibility or liability for any such infringement. We recommend prospective users determine the suitability of this product through independent testing before adopting on a commercial scale.

## PHYSICAL PROPERTIES

Colour	
Appearance	Smooth
Gloss	Customer Requirements
Thickness	350 ± 50µm - up to 500µm
Impact	≥ 11J
Bend Resistance	4° bend no cracking
Adhesion	1 grade
Cathodic disbonding resistance	≤ 10mm
Grind	≤ 20g
Salt Spray	1000h surface not change
Specific Gravity	1.3 ~ 1.5g/cm <sup>3</sup>
Content of Volatile	≤ 0.6%
Particle size distribution	D <sub>0.5</sub> : 40~60µm ≥ 150 µm ≤ 3.0% ≥ 250 µm ≤ 0.2%
Content of magnetism substance	≤ 0.002%
Gel Time	200°C 20s ~ 65s 240°C 5s ~ 35s
Level Flow	22~28mm
Ratio of Cover	0.6 – 0.8m <sup>2</sup> /kg/mm
Cure Schedule 240c	50 – 150 sec
Cure Schedule 220c	150 – 250 sec
Cure Schedule 200c	250 – 350 sec

## CHEMICAL RESISTANCE

Agent	Result	Agent	Result
10%H <sub>2</sub> SO <sub>4</sub>	90d ~ surface: no change	Dirty water	90d ~ surface: no change
10%HCl	90d ~ surface: no change	Base Oil	80°C , 90d ~ surface: no change
3.5%NaOH	90d ~ surface: no change	Gas	90d ~ surface: no change
10%NaCl	90d ~ surface: no change	Kerosene	90d ~ surface: no change

