

ZINCANODE® 402 EXPRESS

Two Pack Zinc Rich Fast Drying Epoxy Primer

PC 132

- FEATURES**
- ZINC RICH EPOXY
 - RAPID DRY AND OVERCOAT TIMES
 - SUITABLE FOR USE IN MULTICOAT SYSTEMS WHEN TOPCOATED WITH EPOXIES AND POLYURETHANES

USES ZINCANODE® 402 EXPRESS is a two-pack epoxy zinc rich primer formulated for corrosion resistance in harsh corrosive environments. ZINCANODE® 402 EXPRESS is recommended for use over abrasive blast cleaned steel surfaces.

ZINCANODE® 402 EXPRESS offers ease of application with no signs of mud-cracking at stated maximum film build. This product can be utilised in commercial construction, industrial and coastal settings, such as bulk handling equipment, mining applications, bridges, and tanks. It is also suitable for repair and maintenance purpose.

- SPECIFICATIONS**
- Tested in accordance with AS 4100-1998 – Steel Structures Appendix J – Standard Test for Evaluation of Slip Factor.
 - Conforms to APAS 0014/2.
- Refer to a Dulux Protective Coatings Consultant for more details.

RESISTANCE GUIDE

WEATHERABILITY	For optimal corrosion protection this product is intended for use as part of a multicoat system. Weathering performance will be dependent on the relevant topcoat.	SOLVENTS	Good resistance to splash and spillage of aromatic and aliphatic hydrocarbon solvents and alcohols.
HEAT RESISTANCE	Up to 120°C dry heat.	WATER	Excellent resistance to fresh and salt water when suitably topcoated.
SALTS	Excellent resistance to neutral and alkaline salts when suitably topcoated.	ALKALIS	Not recommended for alkaline conditions unless suitably topcoated.
ACIDS	Not recommended for acid conditions.	ABRASION	Very good when fully cured.

TYPICAL PROPERTIES AND APPLICATION DATA (QUICKTURN® HARDENER)

CLASSIFICATION	Zinc Rich Epoxy Primer		APPLICATION CONDITIONS			
FINISH	Matt			Min	Max	
COLOUR	Green-Grey, Grey		Air Temp.	5°C	40°C	
			Substrate Temp.	5°C	40°C	
			Relative Humidity		85%	
COMPONENTS	Two		COATING THICKNESS (MICRONS)			
VOLUME SOLIDS	50% ± 2			Min	Max	Recommended
VOC LEVEL	<460 g/L		Wet film per coat (µm)	120	250	150
FLASH POINT	32°C		Dry film per coat (µm)	60	125	75
POT/SPRAY LIFE	4 hours (15 litre kit, 25°C)					
MIXING RATIO V/V	Part A : 4	Part B : 1				
THINNER	920-08925	Dulux® Epoxy Thinner	SUITABLE SUBSTRATES	Suitably prepared substrates stell surfaces.		
PRODUCT CODE	730-H0451	Part A – Green Grey	PRIMERS	Not applicable.		
	730-H0466	Part A – Grey	TOPCOATS	Most Dulux® Protective Coatings topcoats.		
	976-H0482	Standard Hardener	APPLICATION METHODS	Conventional, or airless spray. Brush and roller for touch-ups, and small areas only.		
	976-H0482	Quickturn® Hardener				

DRYING CHARACTERISTICS AT 75 µm DRY FILM THICKNESS* (QUICKTURN® HARDENER)

Temperature	Humidity	Touch	Handle	Full Cure	OVERCOAT	
					Min	Max ¹
5° C	50%	40 Minutes	6 Hours	7 Days	6 Hours	4 Weeks
15° C	50%	20 Minutes	4 Hours	7 Days	4 Hours	4 Weeks
25° C	50%	10 Minutes	2 Hours	7 Days	2 Hours	4 Weeks

*These figures are a guide only, as ventilation, film thickness, humidity, thinning and other factors will influence the rate of drying.

¹ If the maximum recoat window of has been exceeded prior to being coated over, contact your Dulux® Protective Coatings Consultant or Dulux® Protective Coatings Technical Service for surface preparation recommendations.

SPREADING RATE
with Quickturn® Hardener
assuming no losses

6.7 square metres per litre equals 75 µm dry film thickness

NOTE: Practical spreading rates will vary depending on such factors as application method, ambient conditions, surface porosity and roughness.

ZINCANODE® 402 EXPRESS

PRECAUTIONS	This is an industrial product designed for use by experienced Protective Coating applicators. Ensure that you read and understand the safety precautions on the relevant Technical Data Sheet, and Material Safety Data Sheets before applying the product. The surface to be coated must be free of moisture and contaminants. Do not apply at temperatures below 5°C. Do not apply at relative humidity above 85% or when the surface is less than 3°C above the dewpoint. The rate of cure is dependent upon temperature. Where application conditions are outside the parameters stated in this Technical Data Sheet, or where any variation to the recommendations within this document are sought, contact your Dulux® Protective Coatings Consultant for written consent or specifications prior to application. Freshly mixed material must not be added to previously mixed material. DO NOT apply coatings of a saponifiable nature such as alkyds directly to this zinc rich product.
CLEAN UP	Clean all equipment with Dulux® Epoxy Thinner (920-08925) immediately after use.
OVERCOATING	If the maximum recoat window of has been exceeded prior to being coated over, contact your Dulux® Protective Coatings Consultant or Dulux® Protective Coatings Technical Service for surface preparation recommendations.
SAFETY PRECAUTIONS	Read Data Sheet, SAFETY DATA SHEET and any precautions on container labels. SAFETY DATA SHEET is available from Customer Service (13 23 77) or www.duluxprotectivecoatings.com.au
STORAGE	Store as required for a flammable liquid Class 3 in a bonded area under cover. Store in well-ventilated area away from sources of heat or ignition. Keep containers closed at all times. Contents of container may be under pressure.
HANDLING	As with any chemical, ingestion, inhalation and prolonged or repeated skin contact should be avoided by good occupational work practice. Eye protection approved to AS1337 should be worn where there is a risk of splashes entering the eyes. Always wash hands before smoking, eating, drinking or using the toilet.
USING	Protect the open can from exposure to water. Water will react with metallic zinc to generate a flammable gas. This may build enough pressure in a resealed can to rupture the lid. Containers should be carefully opened by first placing a rag, then a hand, over the lid then gently easing the lid off. Use with good ventilation and avoid inhalation of spray mists and fumes. If risk of inhalation of spray mists exists, wear combined organic vapour/particulate respirator. When spraying, users must comply with their respective State Spray Painting Regulations.
FLAMMABILITY	This product is flammable. All sources of ignition must be eliminated in, or near the working area. DO NOT SMOKE. Fight fire with foam, CO ₂ or dry chemical powder. On burning will emit toxic fumes.
WELDING	Avoid inhalation of fumes if welding surfaces coated with this paint. Grind off coating before welding.

COMPANY INFORMATION		PACKAGING, TRANSPORT AND STORAGE	
Dulux Protective Coatings is a division of:		PACKAGING	Available in 10 litre packs
DuluxGroup (Australia) Pty Ltd 1956 Dandenong Road, Clayton 3168 A.B.N. 67 000 049 427	DuluxGroup (New Zealand) Pty Ltd 150 Hutt Park Road, Lower Hutt, NZ A.B.N. 55 133 404 118	TRANSPORTATION WEIGHT	2.28 kg/litre (Average of components)
		DANGEROUS GOODS	Part A: Class 9 UN 3082 Part B: Class 3 UN 1263

Dulux, Duremax, Ferreko, Quantum, Luxathane, Quickturn, Weathermax and Zincanode are registered trademarks of DuluxGroup (Australia) Pty Ltd.

Any advice, recommendation, information, assistance or service provided by Dulux Australia in relation to goods manufactured by it or their use and application is given in good faith and is believed by Dulux to be appropriate and reliable. However, any advice, recommendation, information, assistance or service provided by Dulux is provided without liability or responsibility PROVIDED THAT the foregoing shall not exclude, limit, restrict or modify the right entitlements and remedies conferred upon any person or the liabilities imposed upon Dulux by any condition or warranty implied by Commonwealth, State or Territory Act or ordinance void or prohibiting such exclusion limitation or modification. Products can be expected to perform as indicated in this sheet so long as applications and application procedures are as recommended. Specific advice should be sought from Dulux for application in highly corrosive areas and for large projects to ensure proper performance.