

ADCOPRIME 284 PUZ

Single-component polyurethane zinc steel primer

ADCO
Construction-
and Mining
Chemicals

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technical data sheet

DESCRIPTION

ADCOprime 284 PUZ is a low viscosity, solvent-containing polyurethane pre-polymer that has been formulated with zinc powder and flow agents. The product is applied to metal surfaces where it acts as a passivating coating.

USES

ADCOprime 284 PUZ is applied to reinforcing bar, angle iron, metal structures, etc, as a zinc primer.

PREPARATION

All surfaces to be clean, sound and free of water. Shot blast steel to SA 2.5. (Remove all rust, mill scale and dirt from surfaces to be coated.) Ensure that the contents of the tin are mixed prior to use by using a low speed electric drill and flat mixing paddle. As the binder reacts with atmospheric moisture, seal the container after pouring out the desired application quantity.

APPLICATION

Apply by brush or roller to the prepared surfaces and allow flowing out, then leave to moisture cure. Top or intermediate coat to be applied between 12 and 24 hours after primer is applied.

CLEANING

Clean all tools and equipment immediately after use with ADCOchem 291, as the cured material is difficult to remove.

PROPERTIES

Solids	90%
Density	5.6 g per cm ³ (cured)
Cure time	1 – 6 hours (dependent upon relative humidity and temperature)
Application temperature	5°C – 35°C (do not apply within 5 degrees of the dew point temperature)
Full cure	7 days
Chemical resistance	passivating coating that delays / prevents the onset of corrosion and is moisture resistant
Pack size	500 ml and 1000 ml
Cleaning	ADCOchem 291
Colour	natural zinc colour
Coats	1
Application rate	15 – 20 m ² per litre
Thickness	50 – 65 microns

Take care not to over apply (too thick) in order to avoid blistering.

SAFETY

Contact with skin should be avoided by wearing gloves, eye protection and protective clothing. In case of eye contact wash well and obtain medical advice. Use only in well-ventilated areas. The product is flammable and care must be taken to remove all possible sources of ignition.

Flash point	20°C
Boiling point	90°C
Extinguishing media	Dry powder, foam or carbon dioxide

Note : Zinc reacts with moisture with the subsequent release of hydrogen gas. Do not expose the uncured product to liquid water in a work- or fire situation, as evolved hydrogen will combust if ignited.
Remember : Keep away from children, handle responsibly and consider the environment.

UPDATE

May 2017.
This supercedes all previous documentation.