

## TECHNICAL DATA SHEET

### BA977MG ZINTECT 1500 QD-77 ZS PRIMER

#### DESCRIPTION

<b>Product Description</b>	Inorganic zinc rich, two component protective primer for steel construction based on alkyl silicate binder and zinc powder.
<b>Intended Use</b>	Rust preventing protective primer for protection of steel structures at marine or industrial severe corrosive environments
<b>Characteristic Properties</b>	<ul style="list-style-type: none"><li>• Excellent corrosion protection as part of a complete coating system</li><li>• Excellent water, sea water, oil and organic solvent resistance</li><li>• Excellent heat resistance up to 400°C continuously</li><li>• High build coating and 85 µm per coat is achieved</li><li>• Conforms to requirements of SSPC Paint 20 Level 2</li></ul>

#### PRODUCT PROPERTIES

<b>Color</b>	Grey
<b>Gloss Level</b>	Matt
<b>Mixing Ratio</b>	Material is supplied in two containers as a unit. Base (Comp A) = BA977MG : 5.2 by volume Powder (Comp B) = BT01MG1500 : 1 by volume Thinner = TB0025 : 0-10 by volume (depends on application conditions)
<b>Solids (by volume)</b>	58-62 % (Occa Monograph No:4)
<b>Recommended Thickness</b>	70±20 microns dry film
<b>Temperature Resistance</b>	Non-continuous: 500°C, Continuous: 400°C
<b>General Remarks</b>	-Sagging, cracking or peeling may occur when total thickness by one coat 150-200 microns
<b>Theoretical Coverage</b>	Approximately 8.6 m <sup>2</sup> /L (70 microns dry film)  The practical coverage depends on the factors, such as shape of the construction, roughness of the substrate, method and conditions of application.
<b>Application Method</b>	Airless spray, Conventional spray, Brush
<b>Pot Life, 20°C</b>	3 hours after the mixture is prepared. (Higher temperatures reduce the time)

#### STORAGE AND SAFETY INFORMATION

<b>Storage</b>	Store in a well ventilated and dry conditions at temperatures between 5 – 40°C. The packaging should not be exposed to direct sunlight. The shelf lives of the products (base and hardener are at least 6 months in unbroken original package, under mentioned storage conditions.
<b>Warnings</b>	See label for precautions. The user of this product is required to comply with the national statutory regulations for health, safety during transportation and at work and waste disposal. See the MSDS for detailed information.

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### APPLICATION INFORMATION

#### Surface Preparation

Performance of this product depends upon the degree of surface preparation. Surface preparation method shall be in accordance with ISO 12944-4:2017. All surfaces to be coated should be completely clean, dry and free from contamination.

- Remove oil and grease with suitable detergents or solvents (SSPC SP-1).
- Remove rust, mill scale and other loose material completely by abrasive blasting (ISO 8501-1: 2007 Sa2<sup>1/2</sup> or SSPC SP-10)

#### Application Conditions

Ambient temperature shall be above 5°C and relative humidity shall be below 85%. Surface temperature shall be a minimum of 3°C above the dew point. Adequate ventilation shall be provided in confined spaces to ensure proper drying.

#### Product Preparation

Material is supplied in two containers as a unit.

Base (Comp. A) = BA977MG

Powder (Comp. B) = BT01MG1500

-Stir each component with power agitator well before mixing. Then mix in a right proportion Base (Comp. A) with Powder (Comp B), stir thoroughly with power agitator.

5.2 parts of Comp. A (BA977MG) to 1 part Comp. B (BT01MG1500) (by volume)

-Zinc powder in mixed paint tends to sink due to heavy specific gravity. Stir slowly during application to prevent zinc powder settling.

#### Application Method, 20°C

Equipment	Airless Spray	Brush (stripe coating)
Thinner	TB0025	TB0025
Dilution	0-10 % by volume	0-5 % by volume
Nozzle Pressure	Not less than 6 MPa	-
Nozzle Size	519-621	-

-Too much thinning results sagging and slower cure.

-Contamination of other thinner may spoil paint film formation. Wash spray equipment sufficiently with TN6020 (Cellulosic Thinner) before using.

#### Drying Time, %65 RH (for 70 microns DFT)

Surface Temperature	5°C	20°C	30°C
Touch Dry	60 minutes	15 minutes	15 minutes
Hard Dry	90 minutes	30 minutes	30 minutes
Overcoating* Interval, Minimum	18 hours	4 hours	4 hours

\*Oil and alkyd paint is not suitable for overcoating.

#### Packaging

	Volume (litres)	Size of containers (litres)
Base (Comp A) =	12.25	2x5
Powder (Comp B) =	2.38	25

The effectiveness of our systems is based on many years' practical experience and laboratory research. We guarantee that the quality of the work performed in accordance with our systems meets the Kansai Altan standards, provided that our instructions are followed carefully and the work is performed in accordance with the requirements as to good craftsmanship. We decline any responsibility, if the final result is affected by factors beyond our control. The customer has to determine the suitability of the delivered products for the intended application by using the means which normally are at his/her disposal.

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(It is the user's responsibility to check that this sheet is up to date)

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