TECHNICAL DATA



Duramastic ZP

PRODUCT Duramastic ZP is two-pack surface tolerant, high solids zinc phosphate epoxy-based

DESCRIPTION coating in which may be applied in high film thickness.

RECOMMENDED As primer / build coat over steel for used in industries, marine and off-shore

USE environment

TECHNICAL INFORMATION

Colours Limited range Solids (% by volume) 78 (+-) 2

Specific gravity 1.5

35 Deg C (+-) 2 (Setaflash) Flash point

Flexibility Good Gloss Flat Gloss resistance Fair Water resistance Good Chemical resistance Good Solvent resistance Good Abrasion resistance

Very good

Theoretical spreading rate Film thickness per coat in microns sqm/lit

Dry Wet 100 - 300 7.8 - 2.6Application range 130 - 385 6.2

Typical 125 160

APPLICATION DATA

Application methods Airless sprauy. Brush or roller may be used for smaller areas.

Mixing ratio (by volume) 7 parts Component A; 1 part Component B

Mixing 15 min prior to use

Pot life (23 Deg C) 2 hours (reduced at higher temperatures)

Thinner/Cleaner Jotun Thinner No. 17

Guiding data airless spray

Pressure at nozzle 15 Mpa (150kp/cm sq, 2100 psi) Nozzle tip 0.58 - 0.79mm (0.23 - 0.0031")

Spray angle 40 - 80 Deg

Filter Check to ensure that filters are clean

SURFACE Power tool cleaning to min St2 (ISO 8501-1:1988/SS 05 5900). Improved surface

PREPARATION treatment will improve the performance. When used over old coating systems, the

surface must be clean and dry.

CONDITION DURING

APPLICATION The temperature of the substrate must be min. 5 Deg C and at least 3 Deg C above the

> dew point of the air, temperature and relative humidity measured in the vicinity of the substrate. When used in confined spaces, good ventilation is necessary. Do not used heated air until the solvents have evaporated from the paint film to avoid surface drying and solvent entrapment. Duramastic ZP should not be exposed to mechanical

strain before being fully cured.

DRYING TIME : The drying times are evaluated according to BS 3900 Part C2 and BS 3900 Part C3.

Drying times are generally related to air circulation, temperature, film thickness and number of coats, and will be affected correspondingly. The figures given in the table are

typicsl with:

* Good ventilation

* Recommended film thickness

* One coat on top of inert substrate

SUBSTRATE	SURFACE 1	HARD 2	CURED	DRY TO RECOAT 3	
TEMPERATURE	DRY	DRY		MINIMUM	MAXIMUM 4
10 Deg C	8 h	24 h	14 d	24 h	-
23 Deg C	4 h	10 h	7 d	7 h	-
35 Deg C	2.5 h	5 h	3 d	5 h	-

- 1 Evaluated according to BS 3900 Part C2
- 2 Evaluated according to BS 3900 Part C3
- 3 Recommended data given for recoating with the same generic type of paint
- 4 The surface should be free from zinc salts and other contamination prior to application. Best intercoat adhesion occurs when the subsequent coat is applied before the preceding coat is cured. If this time is exceeded it may be necessary to roughen the surface.

The given data must be considered as guidelines only. The actual drying time can only be determined at site, depending on age of existing system, generic types, number of coats, thinning, temperature, ventilation, etc.

TYPICAL RECOMMENDED

PAINT SYSTEM : Duramastic ZP 1 x 125 microns (dry film thickness)

Hardtop AS 2 x 40 microns (dry film thickness)

STORAGE AND PACKING

STORAGE : The product must be stored in accordance with national regulations. Preferred storage

conditions are to keep the containers in a dry space provided with adequate ventilation.

The containers should be sealed tightly.

HANDLING : Handle with care. Stir well before use. PACKING CONTENT : 17.5 l Comp. A and 2.51 Comp. B

HEALTH AND SAFETY

Please observe the precautionary notices desplayed on the container. Spray under well

ventilated conditions. Do not breath or inhale mist. Avoid skin contact. Spillage on the skin should immediately be removed with suitable cleanser, soap and water. Eyes should

be well flushed with water and medical attention sought immediately.

For detailed information on the health and safety hazards and precautions for use of this

product, we refer to the Material Safety Data Sheet.

DISCLAIMER:

The information in this data sheet is given to the best of our knowledge based on laboratory testing and practical experience. However, as the product is often used under conditions beyond our control, we cannot guarantee anything but the quality of the product itself. We reserve the right to change the given data without notice.