



BITUMINOUS AND COAL SYNTHETIC PRIMER INSTRUCTIONS

COSTUMER: NEYZAR PIPES COATING COMPANY

Parsa Zarrin Mina company is a member of Vendor List of Iran NGC and is a **member of EP-MOP system** in oil ministry (vendor list of oil ministry and four its follower main companies include: Iran NOC, Iran NGC, Iran NPC, and Iran national refinery and oil products distribution) with Iran number code 37814, that has **ISO 9001:2015** quality management system and **HSE-MS** safety management system (based on **OHSAS18001:2007** system) have tried to meet customers' requirements continuously and improve its service and products quality by using a set of in-organizational optimal processes.

Products characteristics and systemic approach of Parysa Zarrin Mina Company

- High-resistance cohesion to the metal surface
- High-strength and sustainability providing gap creation or tape rupture
- Resistant against any inconsistency or cathode separation
- Having high-strength insulation and electrical stability power
- Lasting in thermal and hydraulic environments
- Resistant against the effectiveness and any pressure penetration and soil-caused stress
- Resistant against UV radiation
- Mechanical strong protector
- Long-lasting executive sustainability
- Compatible with cathode protection
- Compatible with other covers
- Easy installation
- Make and control research and development (R&D) unit to improve products quality and increase company products basket
- Using the newest techniques of quality control processes to produce products
- Company commitment to provide high-quality products
- Proper after-sale services and products warranty
- Competition ability in terms of quality and price
- Contractor's specialized training to apply cover
- Possibility to produce custom products to appropriate use of the employer requirement
- Respect to customers and effective communication with them

Technical properties of bituminous and coal synthetic primer

Synthetic primer of coal tar

Parsa Zarin Mina Company is one of the old primer producers used in coal tar and bituminous workshop coatings in the country. The produced synthetic primer of this company with brand name **PARSA C.T.E** becomes dry so fast, and also it is made of standard materials, solvents, stabilizers, and colorants. The primer synthetic duty in these covers is to create a middle layer between metal surfaces and bitumen coating to increase adhesion. Currently, this product is in accordance with international standards technical specifications such as BS416A, AWWAC203, and IPS_M_TP_280 are produced to use in various coal tar types in Parsa Zarrin Mina Company. Some of its advantages are:

- 1- Proper drying time
- 2- Create proper adhesion to the metal surface and its chemical stability
- 3- Resistant against cathode separation
- 4- Proper applying ability with brush, spray, socket, and other recommended methods
- 5- Lack in bubble formation during applying time on the metal surface
- 6- It does not create streaks on the applying time
- 7- Prevent to make oxygen layer on the prepared pipe surface

row	characteristic	unit	Requirements	Test method
1	Flow time at 23 ⁰ C (4mm flow cup)	sec	35-60	BS3900 pwtA6
2	Flash point min	⁰ C	23	BS2000 pwt170
3	Volatile matter, mass (105-110 ⁰ C) loss by mass	%	75	BS4164 App.A
4	Drying time	min	5-10	ASTM D1640

Bituminous synthetic primer

This primer with brand name PARSA B.E.S, has proper drying which is made of materials such as hydrocarbon or rubber chloride adhesives, solvents, and stabilizer materials ,our synthetic primer duty is to create a middle layer bottom the metal and bituminous surface in factory/workshop coating of modified oil and bituminous to increase adhesion and prevent to form an iron oxide layer in the cleaned surfaces. Now, this product is produced in Parsa Zarrin Mina company based on technical specifications of universal standards such as BS4147, EN10300, IGS_M_TP_01 (1, 2), and IGS_M_TP_016 to be used in various bituminous types. There are some of the advantages of the bituminous primers:

- 1- Proper drying time
- 2- Resistant against electric separation
- 3- Create proper adhesion on the metal surface and its chemical stability
- 4- Proper applying ability with brush, spray, socket, and other recommended methods
- 5- Lack in bubble formation during applying time on the metal surface

Technical specifications of the bituminous synthetic primer of Parsa Zarrin Mina Company

Row	Characteristic	Unit	Requirements	Method of test
1	Flow time at 230C (4mm flow cup)	Sec	35-60	EN ISO 2431
2	Flash point , min (able closed up)	°C	23	EN ISO 13736
3	Volatile mater, max Loss by mass	%	75	EN 10300 Am.H
4	Drying time	min	5-10	ASTM D1690

Maintenance and application requirements of Parsa Zarrin Mina Company primers

- 1- before applying the primer, the related barrel have to be uniform completely
- 2- opening the primer barrel door causes primer solvent evaporation and increasing its viscosity
- 3- When you are performing it, we recommend wearing proper anti-solvent gloves, mask, and glasses.
- 4- The cleaned pipe surface must have at least sa2.5 surface pureness and roughness 50-100 microns based on ISO8501 standard
- 5- Maximum pipe warm temperature by passing from blasting cabin must not be more than 50°C
- 6- Primer have to be applied on a fully dry and clean surface and free from pollution
- 7- Minimum primer applied dry film thickness is suggested 30micron and maximum 75 microns.
- 8- The required time to complete dry of primed pipes is 20min and primed pipes are covered maximum in 24 hours.
- 9- Don't save primer barrel in the environments that work with direct flame and their store must has a roof with a temperature less than 38°C
- 10- Maximum time to keep primers is 12 months from the first package

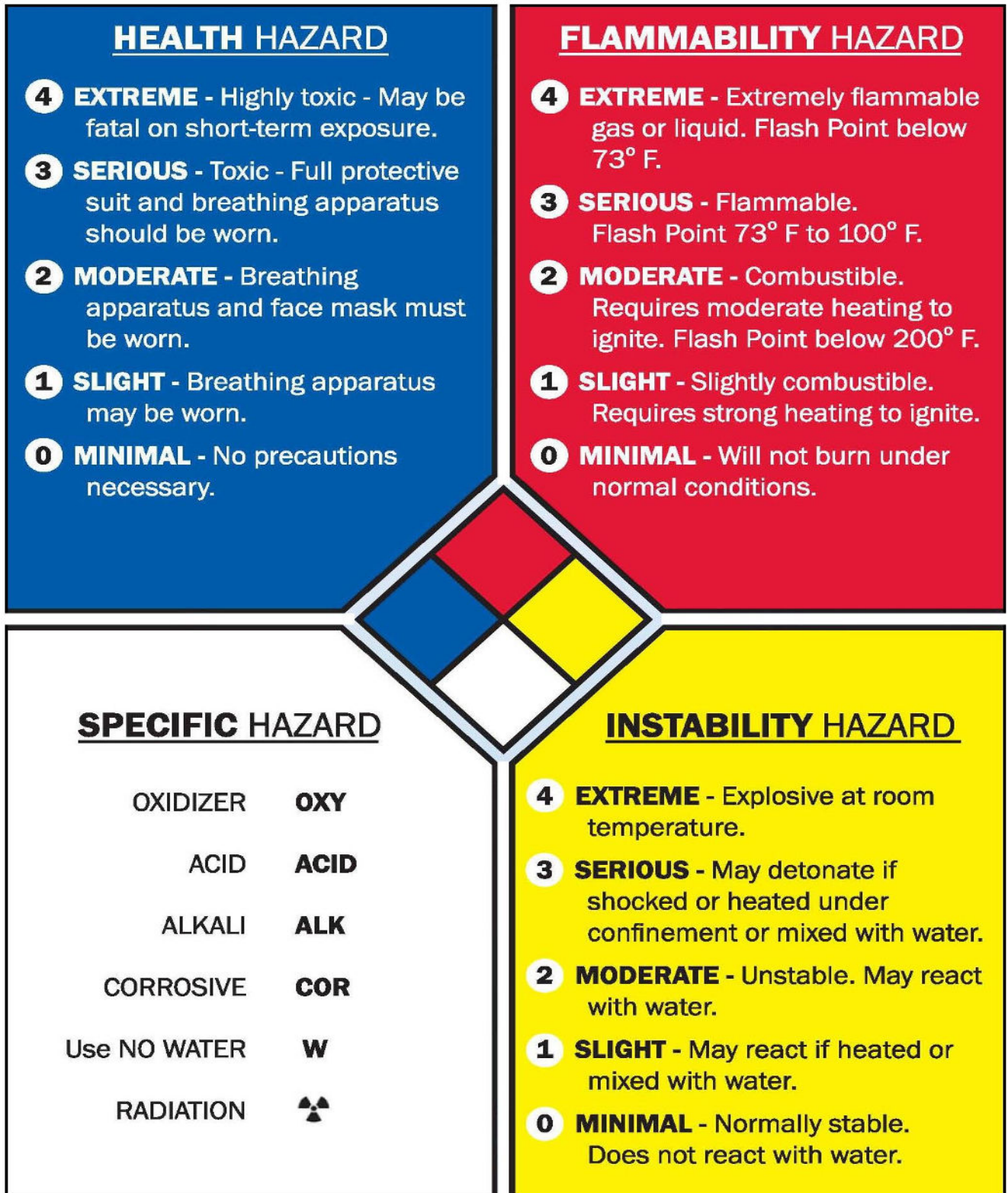
MATERIAL SAFETY DATA SHEET OF PRIMER (MSDS):

Solubility in water :	Insoluble
Flash Point :	In solid form: none in liquid form: 260 °C
Fire Fighting :	CO2 or dry powder , or fine water spray
Personal Hygiene :	The use of gloves & filter type face mask is recommended in the application area. Do not smoke when using bitumen enamel . Do not solvents to wash skin.
Ventilation :	Must be adequate in areas of enamel application
Eyes :	Eye protection is recommended & should be available all times , in the event of accidental contact , wash eyes with cold water & seek medical advice.
Skin :	Barrier cream be applied to the skin before commencing work. in case of skin contact with hot enamel , immerse in cold water.

NFPA 704:



NFPA information :



Address: No 1, sanat 5 st , garmsar industrial area

Postal code: 3588189377

Tell: 023 34 55 7380

0912 64 63 093 (mr. ilati – COO)

Fax: 021 43 85 1645

Email: info@parsazarrin.com

Web: www.parsazarrin.com

PARSAZARRIN