

# COATING SYSTEM

## SPECIFICATION SYSTEM FOR:

### 1-EXTERIOR AND INTERIOR EXPOSED POLLUTED (REFINERY, PETROCHEM,CHEMICAL PLANTS,POWER PLANTS , SEWAGE)

1-1-STEEL STRUCTURES

1-2-PIPELINE OUT OF LAND

1-3-TANKS

1-4-EQUIPMENTS

### 2-EXTERIOR AND INTERIOR EXPOSED NON-POLLUTED:

2-1-STEEL STRUCTURES

2-2- TANKS AND PIPELINE OUT OF LAND

2-3-EQUIPMENTS

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## 1-1-SPECIFICATION SYSTEMS FOR COATING OF STEEL STRUCTURES:

(EXTERIOR AND INTERIOR EXPOSED POLLUTED)

### SPECIFICATION 1:EPOXY SYSTEM

PRETREATMENT : STEEL ,BLAST AND CLEANED TO ISO SA2.5-SA3

PAINT SYSTEM: BS 5493: SK3

FARCO PRIME 102-N\* 2 x 35 $\mu$  ZINC RICH EPOXY PRIMER POLY AMIDE

FARCO INTER 101-N 1 x 100 $\mu$  EPOXY POLY AMIDE INTERMEDIATE

FARCO TOP 101-N 2 x 50 $\mu$  EPOXY POLY AMIDE TOP COAT

TOTAL D.F.T : 270 $\mu$

### SPECIFICATION 2:EPOXY SYSTEM

PRETREATMENT : STEEL ,BLAST AND CLEANED TO ISO SA2.5-SA3

PAINT SYSTEM: BS 5493: SK3

FARCO PRIME 102-N\* 2 x 35  $\mu$  ZINC RICH EPOXY PRIMER POLY AMIDE

FARCO INTER 106HB 1 x 100 $\mu$  M.I.O EPOXY POLY AMIDE HB

FARCO TOP 101-N 2 x 50 $\mu$  EPOXY POLY AMIDE TOP COAT

TOTAL D.F.T: 270 $\mu$

### SPECIFICATION 3:EPOXY AND POLYURETHANE SYSTEM (UV RESISTANCE)

PRETREATMENT : STEEL ,BLAST AND CLEANED TO ISO SA2.5-SA3

PAINT SYSTEM: BS 5493: SK2

FARCO PRIME 102-N\* 2 x 35 $\mu$  ZINC RICH EPOXY PRIMER POLY AMIDE

FARCO INTER 106HB 1 x 100 $\mu$  M.I.O EPOXY POLYAMIDE HB

FARCO TOP 801 2 x 35 $\mu$  POLYURETHANE TOP COAT

TOTAL D.F.T : 240 $\mu$

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**SPECIFICATION 4: VINYL SYSTEM**

PRETREATMENT : STEEL ,BLAST AND CLEANED TO ISO SA2.5-SA3

PAINT SYSTEM: BS 5493: SL3

FARCO PRIME 102-N*	2 x 35 μ	ZINC RICH EPOXY PRIMER
FARCO INTER 101-N	2 x 60μ	EPOXY POLY AMIDE INTERMEDIATE
FARCO TOP 411	<u>2 x 50μ</u>	VINYL TOPCOAT
TOTAL D.F.T :	290μ	

\* - This product recommended too : FARCO PRIME 102-2 ZINC RICH EPOXY PRIMER

**SPECIFICATION 5:EPOXY AND CHLORINATED RUBBER SYSTEM**

PRETREATMENT : STEEL ,BLAST AND CLEANED TO ISO SA2.5-SA3

PAINT SYSTEM: BS 5493: SL1

FARCO PRIME 102-N*	2 x 35μ	ZINC RICH EPOXY PRIMER
FARCO INTER 101HB-N1	x 100μ	EPOXY POLY AMIDE INTERMEDIATE HB
FARCO TOP 561	<u>1 x 50μ</u>	CHLORINATED RUBBER TOP COAT
TOTAL D.F.T :	220μ	

**1-2 SPECIFICATION SYSTEMS OF COATING FOR PIPELINES:**

1-2-1 SPECIFICATION SYSTEMS OF COATING FOR EXTERIOR OF PIPELINES(EXTERIOR AND INTERIOR EXPOSED POLLUTED):

**SPECIFICATION 1: COAL TAR EPOXY SYSTEM**

PRETREATMENT: STEEL, BLAST AND CLEANED TO ISO SA2.5-SA3

PAINT SYSTEM: BS 5493: SK7

FARCO PRIME 102-N*	2 x 35μ	ZINC RICH EPOXY PRIMER	POLY AMIDE
FARCO TOP 100HB	<u>3 x 100μ</u>	COAL TAR EPOXY	POLY AMIDE (HB)
TOTAL D.F.T :	370 μ		

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SPECIFICATION 2:EPOXY SYSTEM

PRETREATMENT: STEEL, BLAST AND CLEANED TO ISO SA2.5-SA3

PAINT SYSTEM: IPS :7C

FARCO PRIME 102-N*	2 × 35μ	ZINC RICH EPOXY PRIMER POLY AMIDE
FARCO INTER 106HB	1 × 100μ	M.I.O EPOXY POLYAMIDE HB
FARCO TOP 101	<u>2 × 50μ</u>	EPOXY POLY AMIDE TOPCOAT
TOTAL D.F.T :	270 μ	

SPECIFICATION 3:EPOXY AND POLYURETHANE SYSTEM  
(UV RESISTANCE)

PRETREATMENT: STEEL, BLAST AND CLEANED TO ISO SA2.5-SA3

PAINT SYSTEM: BS 5493: SK2

FARCO PRIME 102-N*	2 × 35μ	ZINC RICH EPOXY PRIMER POLY AMIDE
FARCO INTER 106HB	1 × 100μ	M.I.O EPOXY POLY AMIDE HB
FARCO TOP 801	<u>1 × 70μ</u>	POLYURETHANE TOP COAT
TOTAL D.F.T :	240 μ	

\* - This product recommended too : **FARCO PRIME 102-2 ZINC RICH EPOXY PRIMER**

1-2-2 SPECIFICATION SYSTEMS OF COATING FOR INTERIOR OF WATER PIPELINES:

SPECIFICATION 1:EPOXY SOLVENT FREE SYSTEM

PRETREATMENT : STEEL ,BLAST AND CLEANED TO ISO SA2.5-SA3

PAINT SYSTEM: AWWA : C-210

FARCO PRIME 106HB	1× 100μ	M.I.O EPOXY HIGH BUILD POLYAMIDE COAT
FARCO TOP 131	<u>2 × 200μ</u>	EPOXY SOLVENT FREE TOP COAT (WHITE)
TOTAL D.F.T:	500μ	

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**SPECIFICATION 2:EPOXY SYSTEM**

PRETREATMENT: STEEL, BLAST AND CLEANED TO ISO SA2.5-SA3

PAINT SYSTEM: AWWA :C- 210

FARCO PRIME 106-HB 1 x 100 μ M.I.O EPOXY HIGH BUILD POLYAMIDE COAT

FARCO INTER 101HB-N2 x 100μ EPOXY POLY AMIDE INTERMEDIATE  
HB(WHITE)

FARCO TOP 101 2 x 75μ EPOXY POLY AMIDE TOPCOAT(WHITE)

TOTAL D.F.T: 450μ

**1-3 SPECIFICATION SYSTEMS FOR TANK COATING (EXTERIOR)**

(EXTERIOR AND INTERIOR EXPOSED POLLUTED):

**SPECIFICATION 1:EPOXY SYSTEM**

PRETREATMENT : STEEL ,BLAST AND CLEANED TO ISO SA2.5-SA3

PAINT SYSTEM: BS 5493: SK3

FARCO PRIME 102-N\* 2 x 35μ ZINC RICH EPOXY PRIMER POLY AMIDE

FARCO INTER 101HB-N1 x 100μ EPOXY POLY AMIDE INTERMEDIATE HB

FARCO TOP 101-N 2 x 50μ EPOXY POLY AMIDE TOPCOAT

TOTAL D.F.T: 270μ

**SPECIFICATION 2:EPOXY AND POLYURETHANE SYSTEM  
(UV RESISTANCE)**

PRETREATMENT: STEEL, BLAST AND CLEANED TO ISO SA2.5-SA3

PAINT SYSTEM: BS 5493: SK2

FARCO PRIME 102-N\* 2 x 35μ ZINC RICH EPOXY PRIMER POLY AMIDE

FARCO INTER 106HB 1 x 100μ M.I.O EPOXY POLYAMIDE HB

FARCO TOP 801 2 x 35μ POLYURETHANE TOPCOAT

TOTAL D.F.T: 240μ

\* - This product recommended too : FARCO PRIME 102-2 ZINC RICH EPOXY PRIMER

Head Office: 3<sup>rd</sup> Flr, Building #4. Bahar 4 Alley, W. Gamsar Str. S. Sheikh Bahaei Str. Tehran- Iran.

Tel: +98 (21) 88613776

Fax: +98 (21) 88613775

Web site: [www.ranganfar.com](http://www.ranganfar.com)

Email: [info@ranganfar.com](mailto:info@ranganfar.com)

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**SPECIFICATION 3: ZINC ETHYL SILICATE SYSTEM**

PRETREATMENT:	STEEL, BLAST AND CLEANED TO ISO SA2.5-SA3	
PAINT SYSTEM:	IPS:7F	
FARCO PRIME 502-N	1 x 75μ	ZINC ETHYL SILICATE PRIMER
FARCO INTER 106-N	1 x 80μ	M.I.O EPOXY POLY AMIDE HB
FARCO TOP 801	<u>1 x 80μ</u>	POLYURETHANE TOPCOAT
TOTAL D.F.T:	235μ	

**1-4 SPECIFICATION SYSTEMS FOR COATING OF EQUIPMENT:**

**1-4-1 SPECIFICATION SYSTEMS FOR COATING OF EQUIPMENT**

(EXTERIOR AND INTERIOR EXPOSED ON POLLUTED) :

**SPECIFICATION 1:EPOXY POLY AMIDE SYSTEM**

PRETREATMENT :	STEEL ,BLAST AND CLEANED TO ISO SA2.5-SA3	
PAINT SYSTEM:	BS 5493:SK3	
FARCO PRIME 102-N*	2 x 35μ	ZINC RICH EPOXY PRIMER POLY AMIDE
FARCO INTER 101HB-N1	1 x 100μ	EPOXY POLY AMIDE INTERMEDIATE HB
FARCO TOP 101-N	<u>2 x 50μ</u>	EPOXY POLY AMIDE TOPCOAT
TOTAL D.F.T:	270μ	

**SPECIFICATION 2 : EPOXY AND CHLORINATED RUBBER SYSTEM  
(THIS SYSTEM SUITABLE EXPOSURE ON CHLORINE VAPOUR)**

PRETREATMENT :	STEEL ,BLAST AND CLEANED TO ISO SA2.5-SA3	
PAINT SYSTEM:	BS 5493 : SL2	
FARCO PRIME 102-N*	2 x 35μ	ZINC RICH EPOXY PRIMER POLY AMIDE
FARCO INTER 101HB-N1	1 x 100μ	EPOXY POLY AMIDE INTERMEDIATE HB
FARCO TOP 561	<u>2 x 50μ</u>	CHLORINATED RUBBER TOP COAT
TOTAL D.F.T:	270μ	

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#### 1-4-2 SPECIFICATION SYSTEMS FOR COATING OF EQUIPMENT

( HEAT RESISTANCE UP TO 600 °c ):

SPECIFICATION: SILICON SYSTEM

PRETREATMENT : STEEL ,BLAST AND CLEANED TO ISO SA2.5-SA3

PAINT SYSTEM:

FARCO TOP 469	<u>2 x 25μ</u>	SILICON TOP COAT
TOTAL D.F.T:	50μ	

\* - This product recommended too : FARCO PRIME 102-2 ZINC RICH EPOXY PRIMER

#### 1-4-3 SPECIFICATION SYSTEMS FOR COATING OF EQUIPMENT

( HEAT RESISTANCE UP TO 400 °c ):

SPECIFICATION: ZINC ETHYL SILICATE SYSTEM

PRETREATMENT : STEEL ,BLAST AND CLEANED TO ISO SA2.5-SA3

PAINT SYSTEM:

FARCO PRIME 502-N	1 x 75 μ	ZINC ETHYL SILICATE PRIMER
FARCO TOP 489	<u>2 x 25μ</u>	SILICON ACRYLIC TOP COAT
TOTAL D.F.T:	125μ	

SPECIFICATION: ZINC ETHYL SILICATE SYSTEM

PRETREATMENT : STEEL ,BLAST AND CLEANED TO ISO SA2.5-SA3

PAINT SYSTEM:

FARCO PRIME 502-N	1 x 75 μ	ZINC ETHYL SILICATE PRIMER
FARCO TOP 489	<u>2 x 25μ</u>	SILICON ACRYLIC TOP COAT
TOTAL D.F.T:	125μ	

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#### 1-4-4 SPECIFICATION SYSTEMS FOR COATING OF EQUIPMENT

( HEAT RESISTANCE UP TO 200 °c ):

SPECIFICATION: ZINC ETHYL SILICATE SYSTEM

PRETREATMENT : STEEL ,BLAST AND CLEANED TO ISO SA2.5-SA3

PAINT SYSTEM:

FARCO PRIME 502	1 × 75 μ	ZINC ETHYL SILICATE PRIMER
FARCO TOP 481	<u>2 × 25μ</u>	SILICON ACRYLIC TOP COAT
TOTAL D.F.T:	125μ	

#### 2-1 SPECIFICATION SYSTEMS FOR COATING OF STEEL STRUCTURES:

(EXTERIOR AND INTERIOR EXPOSED NON- POLLUTED)

SPECIFICATION 1: ALKYD SYSTEM

PRETREATMENT : STEEL ,BLAST AND CLEANED TO ISO SA2.5-SA3

PAINT SYSTEM: BS 5493 : SF8

FARCO PRIME 218	1 × 70 μ	RED LEAD ALKYD PRIMER
FARCO INTER 211	2 × 40μ	ALKYD INTERMEDIATE COAT
FARCO TOP 211	<u>2 × 40μ</u>	ALKYD TOP COAT
TOTAL D.F.T:	230μ	

SPECIFICATION 2: ALKYD SYSTEM

PRETREATMENT : STEEL ,BLAST AND CLEANED TO ISO SA2.5-SA3

PAINT SYSTEM: BS 5493: SF8

FARCO PRIME 214	1 × 70μ	ZINC CHROMATE ALKYD PRIMER
FARCO INTER 211	2 × 40μ	ALKYD INTERMEDIATE COAT
FARCO TOP 211	<u>2 × 40μ</u>	ALKYD TOP COAT
TOTAL D.F.T:	230μ	

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## 2-2 SPECIFICATION SYSTEMS FOR TANK AND PIPELINE OUT OF LAND COATING (EXTERIOR):

(EXTERIOR AND INTERIOR EXPOSED NON- POLLUTED):

### SPECIFICATION 1: ALKYD SYSTEM

PRETREATMENT : STEEL ,BLAST AND CLEANED TO ISO SA2.5-SA3

PAINT SYSTEM: BS 5493 : SF8

FARCO PRIME 218	1 × 70μ	RED LEAD ALKYD PRIMER
FARCO INTER 211	2 × 40μ	ALKYD INTERMEDIATE COAT
FARCO TOP 211	<u>2 × 40μ</u>	ALKYD TOP COAT
TOTAL D.F.T:	230μ	

### SPECIFICATION 2: VINYL SYSTEM

PRETREATMENT : STEEL ,BLAST AND CLEANED TO ISO SA2.5-SA3

PAINT SYSTEM: IPS :3C

FARCO PRIME 454	1× 10 μ	WASH PRIMER
FARCO PRIME 418	1 × 70 μ	RED LEAD VINYL PRIMER
FARCO INTER 411	1 × 50μ	VINYL INTERMEDIATE COAT
FARCO TOP 411	<u>1 × 50μ</u>	VINYL TOP COAT
TOTAL D.F.T:	180μ	

## 2-3 SPECIFICATION SYSTEMS FOR COATING OF EQUIPMENT:

2-3-1 (EXTERIOR AND INTERIOR EXPOSED ON NON-POLLUTED  
STEEL SURFACE)

### SPECIFICATION 1: ALKYD SYSTEM

PRETREATMENT : STEEL ,BLAST AND CLEANED TO ISO SA2.5-SA3

PAINT SYSTEM: IPS : 1E

FARCO PRIME 218	1 × 70μ	RED LEAD ALKYD PRIMER
FARCO INTER 211	2 × 40μ	ALKYD INTERMEDIATE COAT
FARCO TOP 211	<u>2 × 40μ</u>	ALKYD TOP COAT
TOTAL D.F.T:	230μ	

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## 2-3-2 SPECIFICATION SYSTEMS FOR COATING OF HOME APPLIANCE:

### SPECIFICATION 1: ACRYLIC BAKING SYSTEM

PRETREATMENT : STEEL , CLEAN WITH WATER AND DETERGENT AND PHOSPHATIZING OR CHROMATIZING.

PAINT SYSTEM:

FARCO TOP 351  $1 \times 60\mu$  ACRYLIC BAKING TOP COAT  
TOTAL D.F.T:  $60\mu$

### SPECIFICATION 2: ALKYD BAKING SYSTEM

PRETREATMENT : STEEL , CLEAN WITH WATER AND DETERGENT AND PHOSPHATIZING OR CHROMATIZING.

PAINT SYSTEM:

FARCO TOP 251  $1 \times 60\mu$  ALKYD BAKING TOP COAT

### SPECIFICATION3: ACRYLIC BAKING SYSTEM

PRETREATMENT : GALVANIZED STEEL : CLEAN WITH WATER AND DETERGENT.

PAINT SYSTEM:

FARCO PRIME 454  $1 \times 10\mu$  WASH PRIMER  
FARCO TOP 351  $1 \times 60\mu$  ACRYLIC BAKING TOP COAT  
TOTAL D.F.T:  $70\mu$

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