

## ERDEMİR HARBOUR COMPLEX

1343 meters of wharves with a landing availability up to 150.000 DWT ships, 20 meters of water depth, 110 tons of tugboat capacity and 11 cranes, 4 with an unloading capacity of 1500 t/h constitute the ERDEMİR Harbour as a port for global access from ERDEMİR.

### ERDEMİR HARBOUR (ER-PORT)

Port of ERDEMİR is situated on the coastal segment of the line from Cape Baba (41° 17' 48" North and 31° 23' 45" East) to Cape Çengel (41° 14' 45" North and 31° 23' 45" East) ERDEMİR Harbour comprises 2 unloading docks of 405 and 350 meters, 2 general cargo docks of 295 and 200 meters, 1 Ro-Ro berth, 1 slag dock and 11 port cranes.

ERDEMİR Harbour yields dispatch by sea operations for almost the totality of the material input for the production of Ereğli Iron & Steel Works. Co., such as raw material, semi finished products, etc and 35 % of its products. Besides, according to the national needs, the harbour is meant to handle with priority the harbour needs of all industrial and commercial corporations. Third party loading and unloading services are executed in world standards successfully according to customer demands.



### SERVICES AVAILABLE IN ERDEMİR HARBOUR

**Marine Services :** In ERDEMİR Harbour, Ereğli Harbour and fisherman's haven, an experienced and expert staff supplies continuous 24 hour services of pilotage, tugboat, mooring as well as water supply, waste and bilge removal services. These services are executed with 4 tugboats ( 1 x 10 tons, 2 x 30 tons, 1 x 40 tons ) , 1 pilot boat ( 15 Knots ) and 2 mooring boats.

**Customs and Customs Guarding Services :** First Class Customs Head Office and customs guarding organization, situated in Ereğli, is on service for 24 hour. There are also custom brokers supplying other custom services.

**Medical and Health Care Services :** Coast Health Organization is situated in Ereğli, where every ship visiting the harbour is bound to apply for a " free practica ". Other health care servers are a consummate SSK Hospital, The State Hospital, private health control centers and ERDEMİR Hospital.

**Loading and Unloading Services :** In our harbour, which is open to service for 24 hour, the staff works in three shifts. All sorts of machinery and equipment is available in the harbour.

**Third Party Services :** Relying on the legal consent given in the 1993, ERDEMİR Harbour supplies harbour services according to official tariffs.

**Marine Police Services :** Marine Police services are conducted by Karadeniz Ereğli police Head Office. Entrance and leave procedures are checked in Ereğli and international staff exchange opportunities are available.

**General Antrepo Services :** Relying on the legal consent given in the 2002 Erdemir Harbour open to service it is General Antrepo with a 99.000 square meter stocking area.

### LOADING AND UNLOADING CAPACITIES IN ERDEMİR HARBOUR

#### Unloading :

Ore	15.000-28.000 tons/day/ship
Coal	12.000-20.000 tons/day/ship
Slab	6.000-10.000 tons/day/ship
General Cargo	500-3.000 tons/day/ship

#### Loading :

Steel Coil	3.500-7.500 tons/day/ship
Steel Plate	2.000-5.000 tons/day/ship
Steel Pipe	500-1.500 tons/day/ship
Other Products	3.000 tons/day/ship

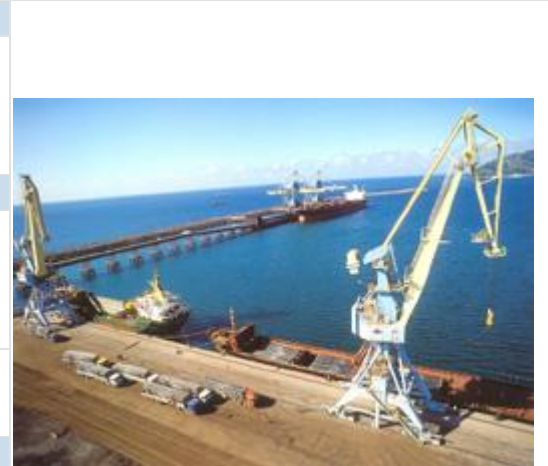
\* Container handling stacking facilities available.

\* Special RO-RO ramp and TIR parking area facilities available.

\* 99.000 square meter A TYPE General Antrepo is available.

#### UNLOADING DOCK NO : 1

Dock length	405 meters
Depth	11 meters
Dock height from the surface	4 meters
Landing capacity for ships	60.000 DWT
Draft limit	36 feet
Air draft	14 meters
Crane number	3 unloaders
Crane capacities	2x1500 t/s + 1x1000 t/s
Grab capacities	18 tons, 15 tons and 10 tons
Maximum grab distance	37 m, 24 m and 15 m
from dock edge respectively	2500 and 1500 t/s



Conveyors OR2 OR3	2500 t/s
<b>GENERAL CARGO DOCK NO : 1</b>	
Breakwater	650 meters
Dock length	295 meters
Depth	10,5 meters
Dock height from the surface	4 meters
Landing capacity for ships	40000 DWT
Draft limit	35 feet
Crane number	4
Crane capacities	3x15 tons and 1x25 tons
<b>UNLOADING DOCK NO : 2</b>	
Breakwater	1150 meters
Dock length	350 meters
Depth	20 meters
Dock height from the surface	4 meters
Maximum dock load	3 t/m <sup>2</sup>
Landing capacity for ships	150.000 DWT
Draft limit	62 feet
Air draft	20 meters
Capstan engines	4
Crane number	2 unloaders
Crane capacities	2x1500 t/s
Grab capacities	20 tons
Maximum grab distance from dock edge	35 meters (37,7 meters from rail)
Conveyor capacity (Ore/Coal)	2500 t/s and 1500 t/s
<b>GENERAL CARGO DOCK NO : 2</b>	
Dock length	200 meters
Depth	14 meters
Dock height from the surface	4 meters
Maximum dock load	10 t/m <sup>2</sup>
Landing capacity for ships	60.000 DWT
Crane number	2 cargo cranes
Crane capacities	30 meters 40 tons 37 meters 30 tons



<b>SLAG DOCK</b>	
Dock length	70 meters
Depth	6,5 meters
Dock height	2 meters
Conveyor capacity (constant telescopic)	250 t/s
Maximum uplift from the dock	9 meters
<b>RO-RO BERTH</b>	
Width	23 meters
Depth	14 meters
Platform height from the surface	1,5 meters
Maximum berth load	10 t/m <sup>2</sup>
<i>All docks have a sea bottom of sand mud, and a sea water density of 1.011/1.012</i>	