

To
SAMSUN MAKINA SANAYI A.S.
Kuleli Sokak no. 14 Cnkaya, ANKARE(TURKEY)

Sesto San Giovanni (MI) - Italy, 2020 May 28th
Our Ref. PIS – 60.203/20 rev. 0 FP/ml

Object: **Declaration on cement mortar lining of SAMSUN MAKINA ductile iron pipes for water pipelines**

We hereby declare that ICIM, acting within the scope of the product certification according to standard EN 545:2010 at the request of company SAMSUN MAKINA SANAYI A.S., examined technical documentation concerning design and manufacturing of internal lining of cement mortar and reviewed the results of the compressive strength test according to the test methods of EN 545:2010 §7.1 standard.

The documentation provided by the company and the results of the compressive strength test are in accordance with the applicable requirements of the EN 545:2010 standard.

In particular:

- the water used by SAMSUN MAKINA A.S. in the mortar mix is deemed to comply with Drinking Water Directive 98/83/EC;
- the cement used by SAMSUN MAKINA A.S. in the mortar mix is in accordance with the following types defined in EN 197-1:
 - Portland cement CEM I 42.5 R,
 - Sulfate resisting Portland cement CEM I 42.5 N -SR 5,
 - Blast furnace cement CEM III/A 42.5 N
- the compressive strength of the cement mortar after 28 days of curing is higher than 50 MPa in accordance to EN 545, § 7.1.

ICIM S.p.A.
Operations Director
Eng. Federico Pasqui

