Industeel

ArcelorMittal

CRMC
56, rue Clémenceau
71200 Le Creusot
FRANCE

SAMPLE REQUEST FORM

We are pleased to supply you with samples of Industeel specialty materials per your request.

In order to help us insure meeting your expectations for materials selection, we would be grateful if you could provide us with the following information related to the operating conditions of your production equipment and the tests that will be carried out. This information will remain confidential. Please complete this document and return it to the attention of:

Sarata CISSE. R&D corrosion and metallurgy engineer

By email: sarata.cisse@arcelormittal.com

By facsimile: + 33 3 85 80 59 55

* Required field

0 – INFORMATION RELATED TO YOUR COMPANY *

COMPANY NAME:

Industry:

Address:

Department which can give information:

Name of contact person:

Email:

Tel: Fax:

1 – INFORMATION RELATED TO YOUR APPLICATION

Market*:

Process equipment involved* (pipes, agitator, heat exchanger, vessel …):

Equipment size / capacity*:

Process description* (if possible enclose a drawing):

- Process:
  - ☐ Continuous
  - ☐ Batch
- Parameters (thermal cycles, frequency, etc.):
- Does your process require partial or total equipment replacement*?
  - Materials previously used:
  - Corrosion observed:
  - Service life of equipment or components involved (previous and expected):
  - Comments:

- Additional information:

- Equipment sketch:

2 – CORROSIVE ENVIRONMENT DESCRIPTION

Chemical factors	***Major components****	**Component**	**Concentration**
	Impurities*	**Nature**	**Listing**
		Halogens (Cl^-, F^-, Br^-)	
		Oxidizing species (Fe^{3+}, …)	
		Acids	
		Others	
	PH range		
	Redox potential		
	Scale deposit → Y or N	☐ Yes	☐ No
		Where?	
Physical factors	***Aerated or desaerated****		
	Temperature (T) range* *1 - process T 2 - max. upset T*	1 -	2 -
	Heat transfer Temperature *1-Process fluid 2-heating/cooling fluid 3-Wall*	1 -	2 - 3 -
	Pressure		
	Velocity of solution		
	Solid particles in fluid (abrasion risk) → Y or N	☐ Yes	☐ No
		Nature, size, concentration?	
	Risks of condensation in the vapor phase → Y or N	☐ Yes	☐ No

3 – INFORMATION RELATED TO TESTING*

- Type of test:
- Test duration:
- Test parameters:
- Location of specimens and attachment method:
- Samples size in inches [1] [2]:

☐ 4 x 6 (≈100x150mm) ☐ 6 x 8 (≈150x200mm) ☐ 8 x 12 (≈200x300mm)

☐ other :

- Requested thickness in inches:
- Surface finished

☐ Standard [3] ☐ other:

When you have completed your testing we would appreciate receiving any information regarding the performance of our materials that you can share. We would consider this information confidential as well. Any information which can be released by your company would be added to our materials performance files to assist customers with future selection questions.

[1] These dimensions correspond to our standard specimens

[2] Welded sample available on request

[3] The standard surface finish is representative of our delivered stainless steel plate surface finish (shot blasted and pickled)