

ArcelorMittal  
Form 6-K  
September 13, 2007  
UNITED STATES

**SECURITIES AND EXCHANGE COMMISSION**

**Washington, D.C. 20549**

**FORM 6-K**

**REPORT OF FOREIGN PRIVATE ISSUER**

**PURSUANT TO RULE 13a-16 OR 15d-16**

**UNDER THE SECURITIES EXCHANGE ACT OF 1934**

Dated September 13, 2007

Commission File Number: 333-144169

ARCELORMITTAL

(Translation of registrant's name into English)

19 Avenue de la Liberté

L-2930 Luxembourg

Luxembourg

(Address of principal executive offices)

Indicate by check mark whether the registrant files or will file annual reports under cover Form 20-F or Form 40-F.

Form 20-F  Form 40-F

Indicate by check mark if the registrant is submitting the Form 6-K in paper as permitted by Regulation S-T Rule 101(b)(1): \_\_\_\_\_

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Indicate by check mark if the registrant is submitting the Form 6-K in paper as permitted by Regulation S-T Rule 101(b)(7): \_\_\_\_\_

Indicate by check mark whether the registrant by furnishing the information contained in this Form is also thereby furnishing the information to the Commission pursuant to Rule 12g3-2(b) under the Securities Exchange Act of 1934.

Yes  No

If  marked, indicate below the file number assigned to the registrant in connection with Rule 12g3-2(b): 82-\_\_\_\_\_

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On September 13, 2007, ArcelorMittal issued the press release attached hereto as Exhibit 99.1, which is hereby incorporated by reference.

### **Exhibit List**

| <u>Exhibit No.</u> | <u>Description</u>   |
|--------------------|--|
| Exhibit 99.1       | Press release dated September 13, 2007, announcing details of ArcelorMittal's share buy-back programs. |

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SIGNATURES

Pursuant to the requirements of the Securities Exchange Act of 1934, the registrant has duly caused this report to be signed on its behalf by the undersigned, thereunto duly authorized.

Date: September 13, 2007

By: /s/ Henk Scheffer  
Name: Henk Scheffer  
Title: Company Secretary

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**Exhibit Index**

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