

Ternium S.A.
Form 6-K
February 22, 2017

FORM 6 - K

SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

Report of Foreign Private Issuer

**Pursuant to Rule 13a - 16 or 15d - 16 of
the Securities Exchange Act of 1934**

As of 2/21/2017

Ternium S.A.

(Translation of Registrant's name into English)

**Ternium S.A.
29 Avenue de la Porte-Neuve – 3rd floor**

L-2227 Luxembourg

(352) 2668-3152

(Address of principal executive offices)

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

Form 20-F Form 40-F

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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 "Yes" is marked, indicate below the file number assigned to the registrant in connection with Rule 12g3-2(b):

Not applicable

The attached material is being furnished to the Securities and Exchange Commission pursuant to Rule 13a-16 and Form 6-K under the Securities Exchange Act of 1934, as amended.

This report contains Ternium S.A.'s consolidated financial statements as of December 31, 2016.

SIGNATURE

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.

TERNIUM S.A.

| | |
|-----------------------------------|-----------------------------------|
| By: /s/ Pablo Brizzio | By: /s/ Daniel Novegil |
| Name: Pablo Brizzio | Name: Daniel Novegil |
| Title: Chief Financial Officer | Title: Chief Executive Officer |

Dated: February 21, 2017