

AG MORTGAGE INVESTMENT TRUST, INC.

245 Park Avenue, 26<sup>th</sup> Floor  
New York, New York 10167

May 17, 2018

**VIA EDGAR**

United States Securities and Exchange Commission  
Division of Corporation Finance  
100 F Street, N.E.  
Washington, D.C. 20549  
Attention: Sandra B. Hunter Berkheimer

RE: AG Mortgage Investment Trust, Inc.  
Registration Statement on Form S-3 (File No. 333-224629)

Ladies and Gentlemen:

Pursuant to Rule 461 under the Securities Act of 1933, as amended, AG Mortgage Investment Trust, Inc. (the “Company”) hereby requests acceleration of effectiveness of the above-captioned Registration Statement to May 18, 2018 or as soon thereafter as practicable.

The Company requests that it be notified of such effectiveness by a telephone call to David C. Wright at (804) 788-8638.

Very truly yours,

AG Mortgage Investment Trust, Inc.

By: /s/ Raul E. Moreno

Name: Raul E. Moreno

Title: General Counsel and Secretary