

Fire Resistance Ratings of Load Bearing Steel Stud Walls With Gypsum Wallboard Protection

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PREFACE

This report presents the results of a two-phase study, which included nine full-scale fire tests conducted at Underwriters Laboratory, Inc. (UL), small scale tests at the Research Laboratory of the United States Steel Corp. (USS) to determine the effects of temperature on material properties, and further work by the USS Research Laboratory to develop additional information for refining and substantiating the aforementioned data for temperatures up to approximately 1800 degrees F (982 degrees C).

The findings provided some of the back-up data for the fire-resistance ratings given in UL Design No. U425.

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