미니멀리즘 관점에서 본 헤르조그 & 드 미우론과 피터 줌토르의 물성 표현에 관한 연구

Study on the Expression of Material Properties in terms of Minimalism with Analyzing Works by Herzog & de Meuron and Peter Zumthor

이현양, 건국대학교 예술디자인대학원 / 류호창(교신저자), 건국대학교 실내디자인학과

Lee, Heon Yang_Graduate School of Design, Konkuk University /
Lyu, Ho Chang_College of Design, Konkuk University

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Lee, Heon Yang Graduate School of Design, Konkuk University /
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ABSTRACT

Keyword

Though the architectural concern about materials and their properties has been continuously discussed throughout history, the expression of material properties has been more recognized since Modern Architecture. Furthermore, as emotional approach in spatial design has become major issue since the late 20th century, the importance of material properties has been more highly emphasized. Particularly, material properties in minimalism architecture, which tries to represent reductive essence through minimum expression, received more attention as the main visually revealed element. In other words, since the characteristics of minimalism architecture can be explained in the relation with the materials of surface in the temperate manner, material properties are a core object of attention for the minimalist architects. According to the context, research was developed to extract the characteristics of the expression of material properties through advanced related researches, and then, case analysis was done to view practical application. The results of research, in this context, on the expression of material properties in minimalism architecture are as followed: the characteristics of the expression of material properties are classified roughly into material characteristics and non-material characteristics; material characteristics are classified into 4 expressive features such as frankness, simplicity, constructiveness, and repeatability, and non-material characteristics are classified into 3 features such as Transparency, disturbance, and Intimation. Such material properties are represented in diverse forms according to how the architects perceive and express them. Accordingly, case study was conducted to examine the actual applicability of those characteristic features. As the objects of the case analysis, the works of Herzog & de Meuron, who have great interest in material properties and show very creative approaches in applying material properties to their projects, were chosen. The results of the analysis show that material properties and non-material characteristics were both present in their works, but more non-material characteristics through processing and transformation were represented in the works of Herzog & de Meuron while more material characteristics that emphasize the intrinsic properties of materials were represented in the works of Peter Zumthor.