

## **IS 17190: 2020 - Grouts for Filling of Joints of Tiles and Stones**

IS 17190:2020 specifies requirements for grouts used to fill joints between tiles and stones in building applications. Grouts are essential for providing a finished look and enhancing the durability of tiled and stone surfaces by preventing moisture infiltration, protecting against stains, and ensuring overall structural stability. This standard specifies the requirements and test methods for grouts used for filling of joints between tiles, stones and mosaics for internal and external installations on floors and walls.

Consumers expect grouts to be durable, water-resistant, and resistant to cracking, staining, and discoloration. Ease of application, fast setting times, and compatibility with a wide range of tile and stone materials are also essential quality parameters. A good-quality grout should prevent moisture ingress and resist the growth of mold or mildew, maintaining both appearance and structural integrity over time.

IS 17190:2020 addresses these expectations by defining specific criteria for properties such as compressive strength, shrinkage, water absorption, flexural strength, abrasion resistance and transverse deformation. The standard specifies the use of materials for various types {i.e. Cementitious Grout (CG1 & CG2), Reaction Resin Grout (RG1 & RG2) and Modified Resin Grout (MRG)}, that provide durability and performance in various environmental conditions. It includes guidelines for testing grouts under conditions that simulate real-life usage, including moisture exposure and thermal changes, to ensure they maintain their appearance and integrity. By adhering to these standards, manufacturers can provide grouts that meet consumer demands for quality, longevity, and ease of use, ensuring a high-quality finish that enhances the durability and aesthetic appeal of tiled surfaces.