

# **EFFECT OF SIKA VISCOCRETE ON PROPERTIES OF CONCRETE**

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## **ABSTRACT**

We have understood that as we decrease water content strength of concrete increases but this is at the expense of workability. Workability of concrete can be defined as the ease with which it can be used on field. Generally, on field high workable concrete is required. So, for meeting both the criterias super plasticizers are used. The super plasticizers (SP) are referred to as high range water reducing admixture, mainly disperses the water in concrete matrix. There are many types of SP's present but a SP has to be selected keeping in view the conditions of the field and the requirement. Here, we are going to test the effect of Sika Viscocrete on various properties of concrete ie. Workability, water/cement ratio and compressive strength. These properties will be tested in concrete of grade M50 (1:1.5:3) and at various dosages of SP dosages (0.4%, 0.5% & 0.6%).

**KEYWORDS:** Sika Viscocrete, Concrete, Compressive Strength, Cement, Coarse Aggregate, Workability