

Improvement of Concrete-Adhesive Water-Proof Sheet

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It is difficult to completely stop water leaks into underground concrete structures by using normal water-proof materials. We have developed a water-proof sheet that chemically adheres to structure concrete after it is cast, and by use of this sheet, it has become possible to prevent the water leakage remarkably. However, the conventional concrete-adhesive water-proof sheet requires considerable time to attain the sufficient strength, and it is more expensive than the ordinary water-proof materials, because the resin used as adhesive layer is so expensive. Therefore, we selected the materials that are priced moderately, durable and can attain the sufficient adhesive strength at short time, and confirmed its performance through laboratory tests.