



CAPPING GYPSUM

S - 420

FAST! EFFICIENT! SUPER HIGH STRENGTH!
REACH 420 kgf/cm² WITHIN 30 MINS

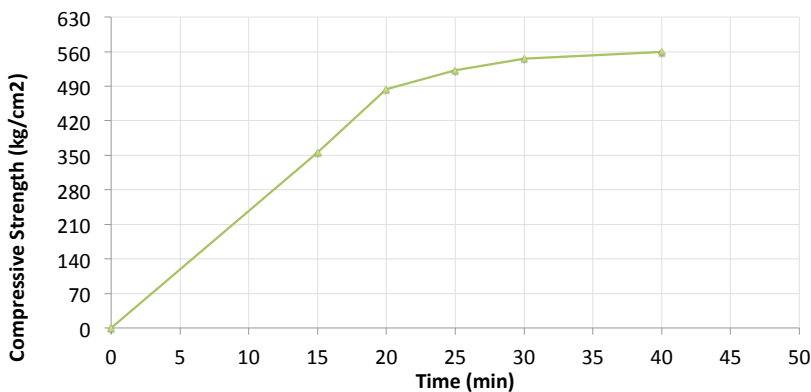


420 kgf/cm²
(42 MPa or 6000 psi)
in 30 mins
water ratio:
21~22%

21% = 100g S-420 : 21g water

- 1.S-350 and S-420 are the most popular products of Capstone Series. In particular, S-420 occupies around 60% among all ongoing capping gypsum sales quantity. For common housing cases, the concrete compressive strength is between 2000psi to 3000psi. S-420 offers the strength of 6000psi which is much higher than the normal usage. Hence it is reliable for general test.
- 2.The water-gypsum ratio for S-420 is recommended to be 21~22%. After mixing with water for 30 mins., the gypsum will fully hardened and reach the strength over 420 kgf/cm², equals to 6000psi.

Compressive Test Data



Compressive Strength and Maximum Thickness of Capping Materials

Cylinder Compressive Strength kgf/cm ² (psi)	Maximum Thickness Average Thickness of Cap	Maximum Thickness Any Part of Cap
420 kgf/cm ² (6000 psi)	6 mm	8 mm

* ASTM C617 TABLE 1

1. According to the regulations of U.S. ASTM C617 standard, it is allowed to use high strength gypsum in capping cylindrical concrete specimens. Compared with other methods, gypsum capping is the most convenient, rapidest, and safest capping method.
2. TAIWAN CAPSTONE uses 100% pure gypsum to produce the high strength capping gypsum without adding extra filler. This procedure conforms to the regulations of ASTM C617 5.3.1 standard.
3. The water-gypsum ratio for S-420 is recommended to be 21~22%. After mixing with water for 30 mins, the gypsum will be fully solidified and reach the strength of 420 kgf/cm², so when removing the cover board, it will not cause any flaw.
4. Country of origin: Taiwan