

# HP MORTAR BOND

## epigen 3422



### Epigen 3422 Aggregate Supplementary Data

### TECHNICAL BULLETIN

#### PROPERTIES OF FILLED EPIGEN 3422 USING TWO AGGREGATE SYSTEMS

##### System 1

2.5 parts by weight 16/30 mesh silica sand

1.0 parts by weight 50/100 mesh silica sand

Mixing ratio of above aggregate blend to compound 6 parts by weight Aggregate to 1 part by weight compound

Pot Life (2.5kg mass):

120 min at 15°C

60 min at 21°C

30 min at 40°C

Tack free time (surface tack of 2.5kg in 60mm deep sect.):

360 min at 15°C

240 min at 21°C

90 min at 40°C

Bulk Density = 1800kg per cubic metre

Compressive Strength: >45MPa

Flexural Strength: >10.0MPa

Tensile Strength: >5.9MPa

Elongation in Tension: 0.6%

##### System 2

Two parts by weight 6-8mm Blue Metal

One part by weight 8/16 mesh silica sand

Two parts by weight 30/50 mesh silica sand

Mixing Ratio of Above Aggregate Blend to compound 4 parts by weight Aggregate to 1 part by weight compound

Pot Life (2.5kg mass):

120 min at 15°C

90 min at 21°C

60 min at 40°C

Tack free time (surface tack of 2.5kg in 60mm deep sect.):

6 hours at 15°C

4 hours at 21°C

1½ hours at 40°C

Bulk density = 2200kg per cubic metre

Compressive Strength: >51.9MPa

Flexural Strength: >25.7MPa

Tensile Strength: >9.1MPa

Elongation in Tension: 0.8%

**EPIGEN PRODUCTS**  
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