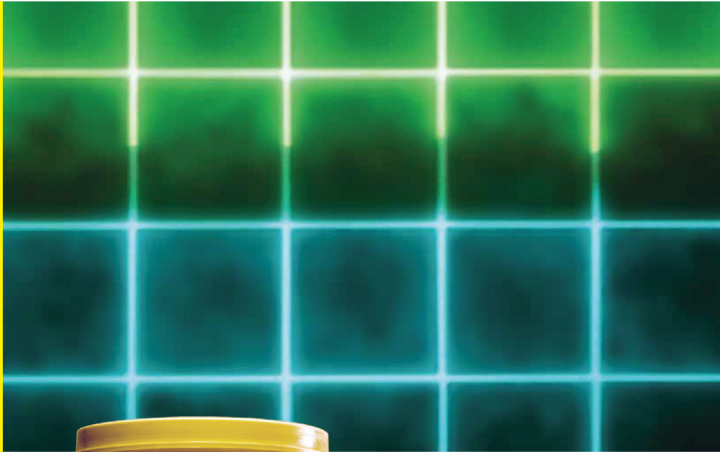




Tile Grouts



A night vision epoxy grout, luminescence during dark.



weberknight armor



Illuminates in the dark



2 Components



Easy to apply and clean



Anti-bacteria, black mold and algae. Stain resistant



Chemical resistant



For joint width between 2 to 14 mm.

weberknight armor can absorb natural or house hold light & provide luminescence in darkness when placed between tiles or stones providing highly aesthetic & decorative joints in the absence of light. It can be used with ceramic tiles, porcelain tiles, vitrified tiles, glass mosaic tiles, natural & artificial stones and all types of marbles & granites.

● **PACKAGING :** 1 kg bucket

● **COLOR :** Green & Blue



● **COVERAGE :** average 1 sqm. for mosaic size 2x2 cm. joint width 2 mm.
average 8 sqm. for mosaic size 30x60 cm. joint width 2 mm.

● APPLICATION

Substrate preparation

- Properly clean the joints until free from any dirt to make sure of good bonding and color uniformity

Mixing

- Mix 2 components together with the ratio of hardener Part B : resin with glitter Part A = 1 : 8. Add hardener component B into the component A container and mix the content for 3-5 minutes with slow speed mixer ensuring proper mixing of the component.

- The mixture of **weberknight armor** can be used within 30 minutes after mixing

- No water to be added to the mix.

Remark: Use personal protective equipment before mixing.

Grouting

- Use rubber trowel or grout trowel to diagonally fill up the joints.

- Wipe off excess grout with warm damp sponge 15 – 20 minutes after grouting (on the area of 1 m² approximately)

- Clean off excess grout again by damp sponge (water mixed with dishwashing liquid 1:100 Ratio by volume)

- Clean off entire tiles surface by damp sponge (water mixed with dishwashing)

- The grouted area needs to be protected from dust and light foot traffic for minimum 24 hours. Heavy foot traffic to be allowed only after 3 days of grouting

● SHELF LIFE AND STORAGE

2 years after manufacturing date when stored unopened in dry and ventilated place. Store airtight in dry and ventilated conditions if remained in opened bucket

TECHNICAL DATA

| Type | Epoxy grout |
|--|---|
| Component A Component B | Premixed resin with filler Light yellow hardener |
| Mixing ratio | Part A: Part B - 11.5 : 1 by weight Part A: Part B - 7 : 1 by volume |
| Consistency | Creamy paste consistency |
| Mixed density | 1.60 gram/cm ³ |
| Adjustability time for adhesive | 30 minutes |
| Setting for light foot traffic | 24 hours |
| Full Cure | 7 days |
| Minimum exposure of light intensity 300-1000 lux | Luminance > 5-8 hours |

Remark: These test results are from laboratory test. They could be slightly different from on-site results because of the differences in applications and conditions

CERTIFIED STANDARD

| International/American standard | Standard | Result |
|---------------------------------|-------------------------|---------------------------|
| Abrasion resistance @7days | ISO 13007-4 | < 220 mm ² |
| Flexural strength @7days | ISO 13007-4 | > 35 Mpa |
| Compressive strength @7days | ISO 13007-4 | >50 Mpa |
| Shrinkage | ISO 13007-4 | <0.35 mm/m |
| Water absorption after 240 min | ISO 13007-4 | <0.07 gm |
| Water clean ability | ANSI 118.3 | > 85 minutes |
| Initial setting time | ANSI 118.3 | Maximum 210 min |
| Service setting time | ANSI 118.3 | < 7 days |
| Linear shrinkage | ANSI 118.3 | < 0.1% |
| Sag in vertical joints | ANSI 118.3 | No sag in vertical joints |
| Tensile Strength | ANSI 118.3 | >8 Mpa |
| Thermal Shock | ANSI 118.3 | >7 Mpa |
| Food Regulation Test | 21 CFR175-300 US-FDA | Passes |