

# TECH DATA SHEET

# PROJOINT TITAN

## ULTIMATE EPOXY JOINTING



PROJOINT TITAN is a specialist solution to filling joints between paving slabs and setts. Suitable for natural stone and concrete paving on pedestrian and vehicular areas with medium to heavy vehicle loads of up to 10 tonnes. Resin and sand are supplied ready-mixed within the tub, and only requires the addition of the enclosed hardener to activate the chemical cure. Once cured, PROJOINT TITAN delivers a weed-free, frost resistant joint which resists pressure washing.

### APPLICATION INSTRUCTIONS:

- 1: Paving should be firmly bedded and stable prior to filling joints and laid on bedding material suitable for the intended traffic loading (up to 10 tonnes). PROJOINT TITAN can be installed on paving with either a permeable or non-permeable bedding, and the joints must be a minimum of 5mm wide and 25mm deep. Care should be taken to ensure no soil or dirt is left or walked onto the surface of the paving during the application process as this may get trapped in the resin once cured. Before grouting, apply ProJoint Pre-Grout Sealer to shield the pavers from any resin sheen. **2:** Liberally wet the paving prior to mixing the product, allowing the water to soak into the surface. PROJOINT TITAN is designed to be mixed in its tub using a plasterers' whisk. **3:** When wearing appropriate PPE, remove the bottle of hardener from the tub, open carefully and empty the full bottle into the resin/ sand mix.
- 4:** Using a plasterers' whisk, mix for 3 minutes until the mix becomes a free-flowing slurry. **5:** Ensure the paving is still wet (if not, spray again) and the surface temperature is between 3°C and 25°C. Do not allow the paving to dry out during application - care should be taken when using the product on dark paving in direct sunlight due to high surface temperatures. **6:** Empty the mix directly onto the paving. **7:** Move the mix using a squeegee over the total area - allowing the empty joints to fill completely. **8:** Leave for 5 to 15 minutes to allow the foaming in the slurry to disappear. **9:** Using a WET MEDIUM SOFT BRUSH AT 45° to joints, sweep off the excess sand leaving the paving clean. **10:** It is particularly important to sweep the surface multiple times before the product cures, to ensure any remaining residue does not set on the paving surface. Do not add additional water to the surface at this time. The fluid nature of the mortar means that no further compaction of the joint is required. Once the mortar has begun to cure, a trowel or iron can be used to achieve a traditional finish if necessary. PROJOINT TITAN is not designed for porcelain paving - if you are planning on using porcelain paving, please refer to our PROJOINT RAPIDFLOW or TILEJAM.



AVAILABLE IN FIVE VERSATILE COLOURS

### FURTHER INFORMATION:

Protect from rain until fully cured. Prolonged and heavy rain will delay the curing process and increase the risk of fluid damage & amine blush (White blooming), so we recommend that the jointed area is covered if there is a chance of rain. Please make sure that any protective cover does not come into contact with the fresh joints; air circulation over the joints is required during curing time. CURE TIMES are dependent on temperature and humidity, but as a guide PROJOINT TITAN can accept foot traffic after 12 hours and light vehicle traffic after 24 hours at 20°C. Please note that cold temperatures and moisture will extend the cure and therefore protection time required. Due to the high epoxy resin content, PROJOINT TITAN will darken and enhance the natural surface colours and textures of the paving. This resin film can be especially noticeable on grey paving, including granite, so a test area is advised before use. It is important to spread the mix across the total paving area to ensure the potential effect is uniform. Please note that this is a temporary effect and weathering and foot traffic accelerate its disappearance. For extra porous paving and to minimise the resin film, use PROJOINT PRE-GROUT SEALER.

## KEY FACTS:



- ✓ PROFESSIONAL STRENGTH AND SELF-COMPACTING
- ✓ PART MIXED COMPONENTS FOR FAST APPLICATION
- ✓ WEED, PRESSURE WASHER AND FROST RESISTANT
- ✓ IDEAL FOR PATHS, PATIOS AND DRIVEWAYS
- ✓ WITHSTANDS VEHICULAR LOADS OF UP TO 10 TONNES
- ✓ FOR NATURAL STONE, CONCRETE PAVING, SETTS AND SLABS

### APPROXIMATE COVERAGE PER 22.5KG TUB

Joint Size	600 x 900mm slabs	Four Size Indian (Standard 600mm series)	200 x 100mm slabs
5 x 25mm	52M <sup>2</sup>	37M <sup>2</sup>	8.4M <sup>2</sup>
10 x 22mm	26M <sup>2</sup>	18.5M <sup>2</sup>	4.2M <sup>2</sup>
15 x 22mm	17.5M <sup>2</sup>	12.5M <sup>2</sup>	2.8M <sup>2</sup>



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SYSTEM	2 PART EPOXY RESIN JOINTING COMPOUND FOR NATURAL STON & CONCRETE PAVING
STORAGE	STORE IN A COOL, DRY, AND FROST FREE ENVIRONMENT AT TEMPERATURES BETWEEN 5°C AND 30°C
SHELF LIFE	12 MONTH FROM DATE OF MANUFACTURE
PACKAGING	22.5KG KITS DELIVERED ON SHRINK - WRAPPED PACKAGING
PALLET QUANTITY	44 UNITS
COVERAGE	AS SHOWN ON COVERAGE TABLE
COLOURS	NEUTRAL, MID-GREY, BASALT
WALK ON CURING TIME	12 HOURS IN DRY AMBIENT CONDITIONS
VEHICLE ON CURING TIME	24HOURS IN DRY AMBIENT CONDITIONS
FULL STRENGTH	28 DAYS
COMPRESSIVE STRENGTH (28 DAYS)	34.3N/MM2
FLEXURAL STRENGTH (28 DAYS)	14.5N/MM2
MAXIMUM VEHICLE WEIGHT	10 TONNES
SUB-BASE REQUIREMENT	FULL SOLID BED WITH A PERMEABLE BEDDING OR NON -PERMEABLE BEDDING MORTAR, SPECIFIED FOR INTENDED USE.

### HEALTH & SAFETY ADVISORY: RESIN COMPONENT

**RESTRICTED TO PROFESSIONAL USERS.** NOT SUITABLE FOR PORCELAIN PAVING. PLEASE REFER TO THESE USER INSTRUCTIONS FOR CORRECT PRODUCT USAGE.

**CONTAINS:** BIS-[4-(2,3-EPOXIPROPOXI)PHENYL]PROPANE; BISPHENOL F-EPOXY RESIN; OXIRANE, MONO[(C12-14-ALKYLOXY)METHYL] DERIVS.

**HAZARD STATEMENTS:** H315 CAUSES SKIN IRRITATION. H317 MAY CAUSE AN ALLERGIC SKIN REACTION. H319 CAUSES SERIOUS EYE IRRITATION. H411 TOXIC TO AQUATIC LIFE WITH LONG LASTING EFFECTS.

**PRECAUTIONARY STATEMENTS:** P273 AVOID RELEASE TO THE ENVIRONMENT. P280 WEAR PROTECTIVE GLOVES/PROTECTIVE CLOTHING/EYE PROTECTION/FACE PROTECTION. P333+P313 IF SKIN IRRITATION OR RASH OCCURS: GET MEDICAL ADVICE/ATTENTION. P362+P364 TAKE OFF CONTAMINATED CLOTHING AND WASH IT BEFORE REUSE. P337+P313 IF EYE IRRITATION PERSISTS: GET MEDICAL ADVICE/ATTENTION.

EUH205 CONTAINS EPOXY CONSTITUENTS. MAY PRODUCE AN ALLERGIC REACTION. FOR FULL SAFETY INFORMATION, REFER TO MSDS.

**UN NUMBER:** UN 3082 **TRANSPORT HAZARD CLASS:** 9

**STORAGE:** PROTECT FROM FROST PACKING GROUP: III

**TECHNICAL HELPLINE:** TEL: 01937 858000. WWW.NEXUSPAVINGSYSTEMS.CO.UK



**WARNING**

### HEALTH & SAFETY ADVISORY: HARDENER COMPONENT

**HAZARD STATEMENTS:** H314 CAUSES SEVERE SKIN BURNS AND EYE DAMAGE. H317 MAY CAUSE AN ALLERGIC SKIN REACTION. H411 TOXIC TO AQUATIC LIFE WITH LONG LASTING EFFECTS. **PRECAUTIONARY STATEMENTS:** P260 DO NOT BREATHE DUST/FUME/GAS/MIST/VAPOURS/SPRAY. P273 AVOID RELEASE TO THE ENVIRONMENT. P280 WEAR PROTECTIVE GLOVES/PROTECTIVE CLOTHING/EYE PROTECTION/FACE PROTECTION/HEARING PROTECTION. P301+P330+P331 IF SWALLOWED: RINSE MOUTH. DO NOT INDUCE VOMITING. P303+P361+P353 IF ON SKIN (OR HAIR): TAKE OFF IMMEDIATELY ALL CONTAMINATED CLOTHING. RINSE SKIN WITH WATER OR SHOWER. P305+P351+P338 IF IN EYES: RINSE CAUTIOUSLY WITH WATER FOR SEVERAL MINUTES. REMOVE CONTACT LENSES, IF PRESENT AND EASY TO DO. CONTINUE RINSING. P310 IMMEDIATELY CALL A POISON CENTER/DOCTOR. SPECIAL LABELLING OF CERTAIN MIXTURES. EUH071 CORROSIVE TO THE RESPIRATORY TRACT. CONTAINS: 4,4'-ISOPROPYLIDENEDIPHENOL, OLIGOMERIC REACTION PRODUCTS WITH 1-CHLORO-2,3-EPOXYPROPANE, REACTION PRODUCTS WITH M-PHENYLENEBIS(METHYLAMINE), POLYMER EPOXY RESIN ADDUCT, C11-OXOALCOHOL, 7 EO, PHENOL, STYRENATED, 1,3-BIS(AMINOMETHYL)BENZENE, M-XYLYLENEDIAMINE, 2,2,4-TRIMETHYLHEXANE-1,6-DIAMINE, 3-AMINOMETHYL-3,5,5-TRIMETHYLCYCLOHEXYLAMINE. **UN NUMBER:** UN 2735 **TRANSPORT HAZARD CLASS:** 8 **STORAGE:** PROTECT FROM FROST PACKING GROUP: II **TECHNICAL HELPLINE:** TEL: 01937 858000. **VISIT:** WWW.NEXUSPAVINGSYSTEMS.CO.UK



**DEMO VIDEO**



**DANGER**



**BRUTE STRENGTH PAVING PRODUCTS**

**RESTRICTED TO PROFESSIONAL USERS | EUH205 CONTAINS EPOXY CONSTITUENTS - MAY CAUSE ALLERGIC REACTION**

DISCOVER MORE: CALL: 01937 858000 | SALES@NEXUSPROSYSTEMS.CO.UK | WWW.NEXUSPAVINGSYSTEMS.CO.UK