

ALSAN CIVIL Z71

TECHNICAL DATA SHEET 181029SCANE

(supersedes -)



WATERPROOFING

APPLICATIONS

BRIDGES

PARKING DECKS

DESCRIPTION

ALSAN CIVIL Z71 is a two-component crack sealant made of fast-curing, very low viscosity polymethyl methacrylate (PMMA) resin. It seals cracks on concrete surfaces of civil engineering structures and parking decks.

SURFACE PREPARATION

The surface must be dry, clean and free of loose particles, formwork residue, curing compounds, grout, etc. Concrete must be completely cured (28 days).

APPLICATION

MIXING: Using a low-speed mechanical agitator (300 RPM), thoroughly mix the entire contents of the resin container for two minutes before each use or before pouring the resin into a second clean container if you are mixing in batches. Add the pre-measured **ALSAN RS CATALYST POWDER** in the resin container and stir for two minutes. Refer to the **Catalyst Mixing Chart** for more information.

APPLICATION: After mixing, apply the resin over clean and dry cracks and use a flat squeegee or a roller to apply the resin. The resin must be completely cured before proceeding with concrete surface preparation.

CLEANING

Tools must be cleaned with **ALSAN RS CLEANER**.

LIMITATIONS

ALSAN CIVIL Z71 is flammable. It must be stored away from sunlight and flames. Keep away from sources of ignition during its use. Never smoke near the product. After application, wait until volatile vapours have dissipated before approaching the product with any flame.

STORAGE AND HANDLING

ALSAN CIVIL Z71 can be stored for up to 12 months in its original unopened container. It must be stored in a cool, dry place. Avoid exposing the containers to direct sunlight and heat. Keep from freezing.



SOPREMA.US • 1.800.356.3521

SOPREMA.CA • 1.877.MAMMOUTH

NOTE : All products manufactured by SOPREMA Inc. comply with the description and properties indicated in the technical data sheet that was current at the date of manufacture.

TDS_ALSAN_CIVIL_Z71.indd

ALSAN CIVIL Z71

TECHNICAL DATA SHEET 181029SCANE

(supersedes -)



WATERPROOFING

APPLICATIONS

BRIDGES

PARKING DECKS

Mixing table of catalysts

Catalyst dosage

Temperature range	Catalyst activation *
0 °C** to 5 °C (32 °F** to 41 °F)	6%
5 °C to 15 °C (41 °F to 59 °F)	4%
15 °C to 20 °C (59 °F to 68 °F)	3%
20 °C to 35 °C (68 °F to 95 °F)	2%
35 °C and + (95 °F)	1.5%

* Mass percentage

** For installation under 0 °C (32 °F), please contact a SOPREMA representative.

REACTION TIMES

Pot life @ 20 °C (68 °F)	15 minutes
Rain proof after @ 20 °C (68 °F)	30 minutes
Full cured @ 20 °C (68 °F)	2 hours

Pot life is dependent on ambient temperatures and will be reduced at higher temperatures. Minimum set times are approximate and may vary. Actual set times and curing times should be established on site, based on actual site conditions.

FOR COMPLETE INFORMATION ON PRODUCT INSTALLATION, PLEASE CONSULT YOUR SOPREMA REPRESENTATIVE.

PACKAGING

Specifications	ALSAN CIVIL Z71
Physical state	Liquid
Colour	Clear
Hardness Shore A (ASTM D2240)	85-90
Density @ 20 °C (68 °F)	0.97 g/ml
Viscosity @ 25 °C (77 °F)	15 cP
Packaging	20 kg (20.61 L) 194 kg (200 L)

(All values are nominal)



SOPREMA.US • 1.800.356.3521

SOPREMA.CA • 1.877.MAMMOUTH

NOTE: All products manufactured by SOPREMA Inc. comply with the description and properties indicated in the technical data sheet that was current at the date of manufacture.

TDS_ALSAN_CIVIL_Z71.indd