

Technical Data Sheet



STZ Primer – several systems primer

DESCRIPTION:

STZ Primer is a polyester primer specifically designed to obtain surface penetration and adhesion to correctly prepared substrates. STZ Primer is multi-functional and is used in conjunction with the following systems:

Resin Flooring Systems	Resin Protective Lining Systems
Architectural Terrazzite	Fibreclene
Surechem VE	Situclad VE
Sureshield	Situclad VE Glass Flake

TYPICAL FEATURES | BENEFITS:

- Rapid Cure.
- Cured Film is non-toxic.
- HACCP approved manufacturing process as part of the noted systems.
- Cleanroom Standard compliant as part of the Sureshield System AS/NZS ISO14644.4 - 2002.
- Will not support bacteria or fungal growth. Contains STERISHIELD to retard microbial growth.
- Excellent adhesion to properly prepared substrates.
- Free of Bisphenol-A.

PERFORMANCE DATA:

Properties	Values
Maximum Spread Rate:	6m ² /Litre
Minimum Application Temperature:	~ Air +5°C
Maximum Application Relative Humidity:	~ Air 85%
Pot-Life:	+25°C ~ 50%RH 20 - 30 minutes <i>Dependent on catalyst addition levels</i>
Hard Dry:	+25°C ~ 50%RH 3 hours
Recoat:	Anytime within 24 hours. <i>After 24 hours: Severe mechanical abrasion</i>
SG kg/litre:	1.05
Thinning:	Do not thin
Clean up:	allnex acetone
Dangerous Good Class:	Refer SDS
Packaging:	~ STZ Topcoat 20 kg Open top metal container ~ STZ Hardener 3.6 kg Plastic Bottle
Shelf life:	6 months from date of manufacture <i>(After this period consult with allnex)</i>

LIMITATIONS:

- Application to uncured concrete (minimum recommended cure 28 days). Application to damp surfaces. *Refer: to allnex Bulletin on application options on wet or uncured concrete.*
- Application to unstable or defective substrates without approved remedial treatment prior to installation.
- Application below +5C.
- Application where fumes may contaminate adjacent foodstuffs. - Only applies in the installation stage (up to 3 hrs after laying).
- Application over existing coatings/toppings. *Refer: allnex Construction Products* or over concrete cure or release agents without allnex approval or over ceramic tiles without specific written allnex design specification.

SUBSTRATE: – Preparation

All substrates shall be stable and solid.

CONCRETE:

- Shall have a surface which has been mechanically trowelled to AS3610:1995 U3/NZ/3114:1987U3 finish.
- A minimum compressive strength of 25MPa at 28 days cure.
- A minimum of 28 days prior to the installation of the proposed Resin Flooring or Protective Lining System.
- The moisture content shall be less than 75% RH. *Refer: allnex Bulletin on application options on wet or uncured concrete.*
- Remove all concrete curing agents, contaminants and any other material likely to affect the adhesion of the proposed system..
- Prepare concrete by mechanical abrasion method to the required CSP standard. - see chart below

System	CSP Surface Preparation Requirement
Architectural Terrazzite	CSP7-8
Fibreclene	CSP3
Situclad VE	CSP3
Situclad VE Glass Flake	CSP3
Surechem VE	CSP7-8
Sureshield	CSP7-8

PLYWOOD | TIMBER | FIBRECEMENT

Consult allnex Construction Products for information.

QUALITY ASSURANCE:

The allnex Approved Contractor shall ensure all QA checks have been undertaken prior to the installation process and subsequently during the installation process. The completed documentation must be made available to allnex and the client/clients authorised personnel.

The product is to be installed within the required control range to ensure a fully cured hard wearing system.

Information to be recorded daily is:

- Concrete sub-base or prefill mix.
- Sequence of mixing, ratios and quantities and formula.
- Ambient temperature | Ambient relative humidity.
- Material batch numbers used.
- Substrate moisture content & Substrate temperature.
- Daily detail of licenced contractors on-site.

INSTALLATION:

Thoroughly mix the STZ Primer in the pail prior to the removal of any material from the pail or the addition of catalyst.

STZ Primer and STZ Hardener are to be thoroughly mixed in the correct proportions.

(Hardener: 1-3% on STZ Primer weight - see table below)

Note

The addition of less than 1% or in excess of 3% will cause incorrect curing of the STZ Primer.

Prime the correctly prepared floor areas with a minimum of one coat of STZ Primer.

Coverage rate and number of coats will vary depending on the porosity of the substrate.

Note

Maximum coverage 6m²/litre/coat.

Wait until the STZ Primer has gelled/set before over-coating with the proposed system.

HEALTH & SAFETY: *Refer: safety data sheets (SDS).*

- Contractors are to comply with all current legislation when using this product.

HARDENER OPTIONS

Standard Conditions

STZ Hardener

Warm | Hot Conditions

MCP 75

HARDENER ADDITION TABLE

Resin	Catalyst 1%	Catalyst 1.5%	Catalyst 2%	Catalyst 2.5%	Catalyst 3%
1.5kg	15 grams	22.5 grams	30 grams	37.5 gram	45 grams
2.0kg	20 grams	30 grams	40 grams	50 grams	60 grams
2.5kg	25 grams	37.5 grams	50 grams	62.5 gram	75 grams
3.0 kg	30 grams	45 grams	60 grams	75 grams	90 grams
3.5 kg	35 grams	52.5 gram	70 grams	87.5 gram	105 grams
4.0kg	40 grams	60 grams	80 grams	100 grams	120 grams
4.5kg	45 grams	67.5 grams	90 grams	112.5 grams	135 grams
5.0kg	50 grams	75 grams	100 grams	125 grams	150 grams
5.5kg	55 grams	82.5 grams	110 grams	137.5 grams	165 grams
6.0kg	60 grams	90 grams	120 grams	150 grams	180 grams
6.5kg	65 grams	97.5 grams	130 grams	162.5 grams	195 grams
7.0kg	70 grams	105 grams	140 grams	175 grams	210 grams
7.5kg	75 grams	112.5 grams	150 grams	187.5 grams	225 grams
8.0kg	80 grams	120 grams	160 grams	200 grams	240 grams
8.5kg	85 grams	127.5 grams	170 grams	212.5 grams	255 grams
9.0kg	90 grams	135 grams	180 grams	225 grams	270 grams
9.5kg	95 grams	142.5 grams	190 grams	237.5 grams	285 grams
10.0kg	100 grams	150 grams	200 grams	250 grams	300 grams
10.5kg	105 grams	157.5 grams	210 grams	262.5 grams	315 grams
11.0kg	110 grams	165 grams	220 grams	275 grams	330 grams
11.5kg	115 grams	172.5 grams	230 grams	287.5 grams	345 grams
12.0kg	120 grams	180 grams	240 grams	300 grams	360 grams
12.5kg	125 grams	187.5 grams	250 grams	312.5 grams	375 grams
13.0kg	130 grams	195 grams	260 grams	325 grams	390 grams
13.5kg	135 grams	202.5 grams	270 grams	337.5 grams	405 grams
14.0kg	140 grams	210 grams	280 grams	350 grams	420 grams
14.5kg	145 grams	217.5 grams	290 grams	362.5 grams	435 grams
15.0kg	150 grams	225 grams	300 grams	375 grams	450 grams
15.5kg	155 grams	232.5 grams	310 grams	387.5 grams	465 grams
16.0kg	160 grams	240 grams	320 grams	400 grams	480 grams
16.5kg	165 grams	247.5 grams	330 grams	412.5 grams	495 grams
17.0kg	170 grams	255 grams	340 grams	425 grams	510 grams
17.5kg	175 grams	262.5 grams	350 grams	437.5 grams	525 grams
18.0kg	180 grams	270 grams	360 grams	450 grams	540 grams
18.5kg	185 grams	277.5 grams	370 grams	462.5 grams	555 grams
19.0kg	190 grams	285 grams	380 grams	475 grams	570 grams
19.5kg	195 grams	292.5 grams	390 grams	487.5 grams	585 grams
20.0kg	200 grams	300 grams	400 grams	500 grams	600 grams

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