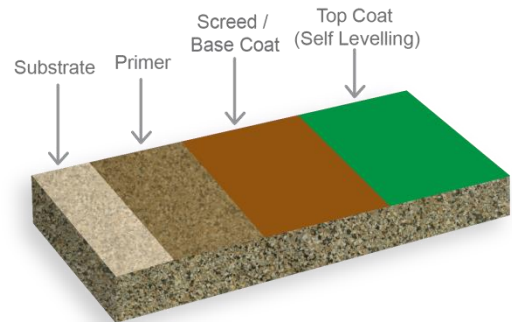


METHODOLOGY FOR JEMKON EPOXY / PU & EPU FLOORING

Substrate Quality

The concrete substrate must be sound and of sufficient compressive Strength (minimum 25 N/mm^2) with a minimum pull off strength of 1.5 N/mm^2 . If in doubt, apply a test area first.



Surface Preparation

Concrete substrates must be prepared mechanically using abrasive blast cleaning or scarifying equipment to remove cement laitance and achieve an open textured surface.

Weak concrete must be removed and surface defects such as blowholes and voids must be fully exposed.

Repairs to the substrate, filling of blowholes /voids and surface levelling must be carried out using appropriate Jemkon products.

The concrete or screed substrate has to be primed or levelled in order to achieve an even surface.

All dust, loose and friable material must be completely removed from all surfaces before application of the product, preferably by brush or vacuum.

Green / New Concrete

The moisture in the concrete should be below 5% which is generally attained after 28 days of concrete curing.

For Green or new concrete with high moisture content the following primer & screed coat are recommended.

Primer : Jemflor AQ 50 (please refer TDS for more information about curing)

Screed : Tuffcem 101 / 102 / 103 (please refer TDS for more information about curing)

Repair Material – Cracks, Potholes & Joints

Prior to mixing, stir part A mechanically. When all of part B has been added to part A, mix continuously for 30 seconds & gradually add part C & mix for 1 minute until a uniform mix has been achieved.

Only mix the required quantity for application as per ratio given on the container.

Material must be thoroughly mixed using a low speed electric stirrer (300 - 400 rpm) or other suitable equipment.

Make sure that a continuous, pore free coat covers the substrate. Apply by trowel or leveler and allow to dry for minimum 10 – 12 hours (depending upon the climatic conditions) before application of further layer.

Products: Jemstrong 100 /Tech 12 /Tech 15

Primer

Prior to mixing, stir part A mechanically. When all of part B has been added to part A, mix continuously for 1 to 2 minutes until a uniform mix has been achieved.

Only mix the required quantity for application as per ratio given on the container.

Primer must be thoroughly mixed using a low speed electric stirrer (300 - 400 rpm) or other suitable equipment.

Make sure that a continuous; pore free coat covers the substrate. If necessary, apply two priming coats. Apply by brush, roller or trowel and allow to dry for minimum 6 – 8 hours (depending upon the climatic conditions) before application of further layer.

Products: Tech 20 /Tech 24 /Tech MCPU

Screed / Base Coat

Prior to mixing, stir part A mechanically. When all of part B has been added to part A, mix continuously for 30 seconds & gradually add part C & mix for 1 minute until a uniform mix has been achieved.

Only mix the required quantity for application as per ratio given on the container.

Screed / Base coat must be thoroughly mixed using a low speed electric stirrer (300 - 400 rpm) or other suitable equipment.

Make sure that a continuous, pore free coat covers the substrate. Apply by trowel or leveler and allow to dry for minimum 12 – 16 hours (depending upon the climatic conditions) before application of further layer.

Products: Tech 60 / Tech 65

Grinding / Sanding (optional)

Grinding / Sanding shall be done with mechanical grinder followed by cleaning of the ground surface

Sealer / Putty Coat (optional)

Prior to mixing, stir part A mechanically. When all of part B has been added to part A, mix continuously for 1 minute until a uniform mix has been achieved.

Only mix the required quantity for application as per ratio given on the container.

Sealer / Putty coat must be thoroughly mixed using a low speed electric stirrer (300 - 400 rpm) or other suitable equipment.

Make sure that a continuous, pore free coat covers the substrate. Apply by trowel or leveler and allow to dry for minimum 8 – 12 hours (depending upon the climatic conditions) before application of further layer.

Products: Tech 24 /Tech 60

Top Coat

Self levelling - Epoxy / PU / EPU

Stir Component A first for approx. 15 seconds. While mixing, add simultaneously but slowly (DON'T DUMP!) component C (Colour paste EPI) and Component D (filler) within 30 seconds. Further mix for 1 minute until the mixture is homogeneous and the pigment is uniformly dispersed.

Only mix the required quantity for application as per ratio given on the container.

Top coat must be thoroughly mixed using a low speed electric stirrer (300 - 400 rpm) or other suitable equipment.

Make sure that a continuous, pore free coat covers the substrate. Apply by trowel or leveler and allow to dry for minimum 12 – 20 hours (depending upon the climatic conditions) before application of further layer.

Products: Tech SL /Tech SLE / Tech SL 500 / Tech PU SL

SYSTEM DETAILS (EPOXY /PU /EPU)

SYSTEM	PRIMER	SCREED	TOP COAT
0.5 MM / 500 MICRONS	0.1 MM	-	0.5 MM
1 MM / 1000 MICRONS	0.1 MM	-	1 MM
2 MM / 2000 MICRONS	0.1 MM	0.9 MM	1 MM
3 MM / 3000 MICRONS	0.1 MM	1.9 MM	1 MM
4 MM / 4000 MICRONS	0.1 MM	2.9 MM	1 MM
5 MM / 5000 MICRONS	0.1 MM	3.9 MM	1 MM

APPRX. TIME REQUIRED FOR INSTALLATION OF FLOORING 0.5 MM - 5 MM THICK APPRX. AREA 10000 SFT, IN 1 SINGLE PHASE

Sr. No	Description	Min Hours	Max hours
1	Surface preparation by grinder to achieve a rough profile for better bonding	6.00	12.00
2	Application of repair material Tech 12 / Tech 15 (for damaged potholes)	8.00	12.00
3	Application of Primer	4.00	6.00
4	Curing of Primer	6.00	10.00
5	Application of Screed layer	10.00	14.00
6	Curing of screed	10.00	14.00
7	grinding of screed	6.00	8.00
8	Application of topcoat	10.00	12.00
9	Curing of Topcoat	18.00	24.00
	Total Time required	78.00	112.00
	No of days	3.25	4.67

Note: Times are approximate and will be affected by changing Ambient and substrate conditions.