

# REC GROUT 757

## Fast-setting high strength flowing polyester grout

### PRODUCT

Rec Grout 757 is a three- component polyester grout for anchoring and fixing. Fast-setting for rapid installation and can be used down to 0°C. Flowing grout to fill gaps of between 5 mm up to 90mm dependent upon bulking out with aggregate.

### SCOPE OF USE

- Fixing airport lighting units
- Fixing vertical bolts, starter bars and dowels
- Grouting anchor bolts and holding down bolts

### ADVANTAGES

- Fast-setting with rapid strength gain, allowing loads to be applied within 2 hours at 20°C
- Available in standard and rapid grades depending upon temperature
- Excellent adhesion to concrete and asphalt substrates
- Can be bulked out for varying gap sizes, 5 mm – 90 mm
- Proven technology with reliability
- Over 30 years' experience worldwide

CHARACTERISTICS		
	Requirement	Result
Tensile strength ASTM D-638-09	1000 psi	2639 psi (18.19 MPa)
Dielectric strength (short time test) ASTM D-149-97a	350 Volts/Mil	360 Volts/Mil
Arc resistance ASTM D-495-14	125 seconds	185 seconds
Adhesion to steel FAA Item P-606-3.5	1000 psi	1483 psi (10.22 MPa)
Adhesion to cement concrete FAA Item P-606-3.6	200 psi	639 psi (4.4 MPa)
Compatibility with asphalt concrete ASTM D-5329-16	Yes / No	Compatible
Adhesion to aluminium ASTM D-4541	250 psi	448 i (3.1 MPa)

\*AC150/5370-10 P606 Test results

POT LIFE OR CURE TIME		
Temperature	Standard grade	Rapid grade
0°C	-	40 minutes
5°C	-	25 minutes
7°C	Do not use below 10°C	22 minutes
10°C	55 minutes	17 minutes
15°C	45 minutes	12 minutes
20°C	30 minutes	Do not use above 17°C
25°C	20 minutes	-
30°C	15 minutes	-
35°C	12 minutes	-
40°C	8 minutes	-

### INSTRUCTIONS FOR USE

#### SUBSTRATE PREPARATION

It is essential that all surfaces are clean, sound and dry. Inadequate preparation is likely to lead to a failure of bond. Concrete surfaces should be prepared by suitable mechanical method to provide a clean, freshly-exposed concrete surface. Drill holes with a rotary percussive drill to provide a rough side to the drilled hole suitable for anchorage.

New concrete must be 28 days old and free of any cement laitance.

Steel surfaces should be free of any surface rust and grit blasted.

Asphalt surfaces should be clean, sound and dry. Ensure any cut surfaces are washed to remove any slurry or dirt.

#### PRODUCT APPLICATION

Rec Grout 757 must be placed immediately after mixing, due to the rapid set of the grout.

Setting times are dependent on temperature and these are shown in the Technical Data on the facing page.

Ensure there are no voids or entrapped air in the gap.

It is recommended that in hot weather, the product is kept as cool as possible.

#### MIXING

Pour the resin into a clean plastic or other suitable container and gradually add the small bag containing hardener. Mix thoroughly. Now add the large bag containing filler and mix until a uniform color and consistency is achieved.

Small quantities can be mixed by hand using a spatula, flat stick etc. Larger quantities should be mixed using a mechanical stirrer or electric drill attachment, such as an MR4-100 blade at a speed below 450 rpm.

Rec Grout 757 when mixed is used for annular gaps of between 5 mm and 12 mm.

For larger gaps, webertec grout FG can be bulked out as follows:



## REC GROUT 757

GAP SIZE	MATERIALS	YIELD
5 - 12mm	Rec Grout 757	12 litres
12 - 25mm	Up to 20kg oven dried 8 - 16 grade sand per pack grout	20 litres
20 - 40mm	Up to 27kg of aggregate single size 5 - 6mm per pack grout	22 litres
30 - 90mm	15kg of aggregate, single size 10mm per pack of grout	18 litres

NB: do not use site sand or aggregates.  
All aggregates must be oven-dried.

### YIELD

Yield is dependent upon bulking out - see Mixing.

### STORAGE

Store in a cool, dry place.

Shelf life of unopened packs is at least 12 months.

For hot weather conditions, it is recommended that Rec Grout 757 is kept cool in a refrigerated container and in insulated boxes on site. This will ensure a longer working time.

### SAFETY PRECAUTIONS

Application should be done in a ventilated area away from any heat source. Wear protective gear for hands and eyes and avoid breathing of vapor. If mixed resin comes into contact with the skin, it should be promptly removed before hardening, followed by thoroughly washing the skin with soap and water. In case of heavy vapor inhalation, place affected person in an open-air area. In case of contact with eyes, wash thoroughly with clean water. If swallowed, do not induce vomiting. In all cases, seek medical attention. In case of fire, use CO foam to extinguish. Tightly seal containers when not in use, store them away from heat and carefully dispose empty ones.

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