

## SHELL GROUT AG

### STRUCTURAL EPOXY HIGH STRENGTH ADHESIVE AND ANCHOR GROUT

#### PRODUCT DESCRIPTION

**SHELL GROUT AG (PC 2175)** is a two component epoxy based high strength adhesive and anchor grout. It is available in two grades: paste and pourable. It forms to give a very strong, dense solid material. It is available in premeasured ready to use kit.

#### STANDARDS

It conforms to BS 6319 : Part 2, BS 6319 : PART 3, BS 6319 : PART 7.

PRODUCT PROPERTIES	SHELL GROUT AG	
Component	Two ( Base & Hardener )	
Appearance	Grey when mixed	
Grades	Paste ( thixotropic ) and Pourable	
	<b>Non-Sag Grade</b>	<b>Pourable Grade</b>
Mixed Density	1.84 kg/litre	1.70 kg / litre
Pot Life	30 - 45 minutes	30 - 45 minutes
Compressive Strength	70 N/mm <sup>2</sup> at 7days	80 N/mm <sup>2</sup> @ 7 days
Bond Strength	> 3 N/mm <sup>2</sup> (concrete failure)	> 3 N/mm <sup>2</sup> (concrete failure)
Flexural Strength	20 N/mm <sup>2</sup>	35 N/mm <sup>2</sup>
Tensile Strength	20 N/mm <sup>2</sup>	25 N/mm <sup>2</sup>
Application Temperature	+5 to +40 °C	+5 to +40 °C
Chemical resistance	Resistant to chemicals	Resistant to chemicals, alkalis, oil, fules, etc.

#### ADVANTAGES

- High early strength
- Good adhesion to all substrates
- Two grades (paste and pourable), makes job easy, time saving and cost effective
- Unaffected by a wide range of acids, alkalis and industrial chemicals
- 3 to 4 times stronger than typical concrete
- Excellent resistance to abrasion and impact.
- Corrosion resistant
- Vibration resistant
- Tolerant to damp conditions

#### AREA OF APPLICATION

**SHELL GROUT AG** is used as epoxy grouting for bar anchor, starter bars, bridge bearing, boom fixing, bolts, nails, etc. It is used for speedy and permanent patching repairs to concrete structures, bonding of precast concrete components, bridge bearings to concrete and all structural repair works where strength, impermeability to water and resistance to aggressive chemicals is essential.

## APPLICATION METHODOLOGY

**Surface Preparation:** All surfaces should be dry, clean, free from standing water, grease, curing compounds, mould oils and all loosely adhering particles. Cement laitance should be removed by mechanical means. Roughen surfaces with chipping to ensure good bonding.

**Mixing:** Mix component A and B together thoroughly with a slow speed drill for 1 minute (max 400 R.P.M.).

### Application:

**For Anchor Bolts:** Anchor bolt, dowel and starter bar holes must be dry. For bolts which will be placed into preformed holes, fill hole with **SHELLGROUT AG** and gradually work the bolt into the grout.

**For Patching Work:** Anchor bolt, dowel and starter bar holes must be dry. For bolts which will be placed into preformed holes, fill hole with **SHELLGROUT AG** and gradually work the bolt into the grout.

HOLE DIAMETER (mm.)	VOLUME OF GROUT FOR BOLT DIAMETER					
	12	16	20	25	32	40
20	25					
25	50	40	25			
32	80	70	60	40		
38		130	100	75	45	
45			150	130	100	45
50				180	150	90
62					280	225

Volume of **SHELLGROUT AG** in ml./100 mm. bond length

## HEALTH AND SAFETY

- PPE'S: Gloves, goggles & Organic vapour mask must be worn
- Precautions: Contact with skin, eyes, etc must be avoided, if not may cause irritation
- Hazardous: It is regarded as hazardous for transportation
- Disposal: Do not re-use containers. To be disposed off as per local rules and regulations
- Detailed Information: Refer MSDS for detailed information

## CLEANING

Clean all equipments and tools with suitable Cleaner.

## PACKAGING

6 litre set ( Non-Sag & Pourable Grade)

## SHELF LIFE

12 months from date of production, if stored properly in original unopened packing in dry conditions and away from sunlight and scorching heat.

## Our Products & Services

- ▶ APP & SBS Specialized Waterproofing Membranes
- ▶ Specialized Products for Highways & Road Surfacing
- ▶ PU Bituminous Waterproofing Liquid Membrane
- ▶ Anticorrosive Coating and Tapes
- ▶ Construction Chemicals and Building Materials
- ▶ Specialized Civil & Waterproofing Contracts
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- ▶ Thermal Insulation Products
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