Technical Data Sheet

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Dalchem - Technique TC90A

PRODUCT DESCRIPTION

Technique TC90A is a very strong polyurethane elastomer for producing engineered parts and moulds. The system is typically used for components or moulds which may be required to withstand aggressive environments. Technique TC90A is an elastomer with excellent toughness which demonstrates good tear strength and elongation. TC90A is ideal for mould making where parts are to be cast with polyurethane foams, rigid urethanes, plaster, gypsum or concrete. Due to the products low viscosity this elastomer gives highly detailed reproduction parts.
Uses include concrete stamp pads, in place liners, impellers or materials handling components.
Accelerated curing of the part or mould can be done at 60-80°C.

PHYSICAL PROPERTIES

Colour:	Creme /Yellow
Hardness,	90-93 Shore A
Specific Gravity, gm/c:	1.03 mixed

HANDLING PROPERTIES

Mix Ratio (parts by weight)	Part A **100 : 50** Part B
Viscosity,cps @20°C	Part A: 1100
	Part B: 320
Mix Time:	1 minute, min.
Gel Time:	3-4 minutes.
Demould:	1 Hour nominal. Variable, due to volume of part.
Hardness:	90-93 Shore A. (After 7 days @ 20°C)

It is advisable to preheat both components to 20°C prior to mixing. Elevated temperatures of up to 30-35°C can be used. These elevated temperatures will lower the initial mixed viscosity, however a faster chemical reaction will occur, significantly reducing the gel and pour times.

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