

▶ Description



TamAcryl 2000 is a blend of acrylic polymers used in conjunction with an accelerator and catalyst system. Upon mixing of the components, a chemical reaction occurs and a waterproof gel is formed. It is available in two grades – standard and slow set.

▶ Key Benefits

- Ultra low viscosity
- Swells up to 5% upon contact with water
- Very Flexible > 100%
- Good chemical resistance
- Reacts even in the presence of mineral and saline conditions
- Potable water certified

▶ Typical Applications

- Leak sealing
- Injection tubes
- Void filling
- Soil stabilization
- Tightening up

▶ Technical Data

Reaction Times

The reaction time can be varied to suit prevailing conditions. To ascertain accelerator dosage required use 2 clean disposable containers e.g. plastic cups used in vending machines. Pour an equal amount of Part A and Part B into separate containers, each container should be able to hold the contents of the other, see below. Using the reaction table as a guide, add the accelerator to the Part A and mix. Pour one container into the other repeatedly until the material gels. Use this as a guide to judge accelerator dosage.

Gel Times (For an 85g sample)

By Weight of Part A (Resin)	Slow set 25°C	Standard set 20°C	Standard set 30°C
2% accelerator	49min	3min	1min
3% accelerator	29min	90sec	45sec
4% accelerator	20min	1min	30sec
6% accelerator	11min	30sec	15sec
8% accelerator	8min	14sec	8sec

Technical Data	Part A Resin	Part B Catalyst	Acc	Mixed
Viscosity	10-20cps	1-2cps	10-20cps	3-5cps
Solids	40 - 45%	4%	85%	> 25%
Elongation at break	-	-	-	> 100%
Modulus of elasticity	-	-	-	12.1N/mm ²
Pressure resistance				0.16N/mm ²
Density	1.10	1.06	1.10	1.09
Flash point	> 180°C	> 180°C	> 150°C	> 150°C

All technical data stated herein is based on tests carried out under laboratory conditions.

TamAcryl 2000

Acrylic Injection Gel



▶ Application Guidelines

TamAcryl 2000 is injected at a ratio of 1:1 Part A: Part B by volume. Ideally using a Twin Piston Pump such as Tam TP1 or if extremely careful a single component pump.

Cleaning involves using water to remove the resin before it sets.

Note: Once the accelerator is added to the Part A it should be used within 24 hours.

▶ Related Products & Equipment

Tam TP2
Tam HP1
Plastic Injection Packers
Metal Injection Packers

▶ Yield

1kg = 0.92 litres

▶ Storage

TamAcryl 2000 should be stored at room temperature (min 10°C and max 35°C), kept dry and out of direct sunlight. If these conditions are maintained and the product packaging is unopened, then a shelf life of 6 months can be expected.

▶ Health & Safety

TamAcryl 2000 should only be used as directed. We always recommend that the Health & Safety data sheet is carefully read prior to application of the material. Our recommendations for protective equipment should be strictly adhered to for your personal protection. The Health & Safety data sheet is available upon request from your local TAM International representative.

www.taminternational.com