

| Description: | Bicomponent epoxy base spray application. The v within one hour from the | ed binder with h ery rapid curing end of the applie | ardener of polya time of the res cation . | ammidic nature sin allows the re | without solvents,specific for eturn to service of the pipe | |
|---------------|---|---|---|-------------------------------------|---|--|
| | Low viscosity of the separated components and good thixotropy of the mix that allows application in thicknesses of 2 mm per pass, medium / high glass transition, pigmented. Formulated to obtain the quickest curing, achieving very high mechanical characteristics which make fiber addition unnecessary. | | | | | |
| Features: | UNITEC 120 / S has been developed to offer the best features, regardless of the support material, because it creates a new structurally independent tube inside the damaged one, this avoids the addition of short or medium fibrettes, making the system simpler in the application, safer because it avoids all problems of adhesion typical of other spray systems and fast because it requires the simple application in two layers of sufficient thickness to guarantee the structural independence of the new pipe sprayed on site. | | | | | |
| Delivery- Kg: | components | А | В | A + B | | |
| | | 6,00 | 4,740 | 10,740 | | |

| features- test | Reference normes | Measure unit | values |
|---|---------------------|-----------------|-----------|
| Specific weight at 23 ± 2°C | ASTM D 792-66 | Kg/dmc | ca 1,27 |
| Ponderal dry residuum | ASTM D 2697 | % | 100 |
| Stoichiometric ratio in weight | ERL 13-70 | A : B = | 100:79 |
| pot life (150 gr at 25 ±2°C) Time up to double viscosity | ERL 13-70 | minutes | About 3 |
| Time of first curing mm 2 at 25 ±2°C | ERL 13-70 | hours | About 1,5 |
| Time of restarting pipe service with water contact 20 ±2°C | | hours | About 1,5 |
| Time of restarting pipe service with chemical aggressives contact | Sodium hypochloryde | hours | About 12 |
| Water absorption | 7gg | weight | 0,35% |
| Unitary breaking load for flexotraction* | ASTM D 790 | MPa | > 60 |
| Elastic module for flexotraction* | ASTM D 790 | GPa | >2,8 |
| Max TG * | ASTM D 3418 | °C | 90+5 |
| *with postcure of 2 hours at 80°c | | | |

nb: The results of the tests are obtained in laboratory and are indicatives for the use of the material, and they are not to be considered as guarantee.

| Mixing ratio | Percentage ratio of hardener on base A = 79% A :B = 100:79 components A + B are delivered in pre-weighted cans ready for use. |
|-----------------------|---|
| mixing | Before use, mix separatly the singles components A+B and then mix them together until perfect homogenizing is reachedI. Use Cowels mixers or similars. |
| use | As specific binder for pipes relining technics by spraying, compatible with highly humid environnements. |
| application | By Spraying using IN.TEC " SPRAY COAT – Maxi-Midi- Mini" machines. |
| temperature of use | The resin must always be pre-heated (38/40°C) and kept in temperature in the cylinders for all the application time,. Please refer to the instructions of the application manual of the "SPRAY COAT" machine. |
| storage | The performances of the product remain inhaltered for 12 months if stored in dry warehouse and in well closed original cans and at temperatures betweeni +10 e +30°C. |
| Tools cleaning | With solvent specific for epoxy systems |
| hygiene | It is important to handle the product by adopting the necessary precautions and by wearing suitable protective garnments (see the safety sheets) |
| disposal | Do not dispose the empty cans in the environnement but dispose them in accordance to the national laws in force |