



## RENIA – ORTEC

### Multi-Purpose Contact - Cement

Technical Data Sheet 170.000-0814

#### BASIS:

Polychloroprene cement for bonding many materials used by orthopaedic shoe technicians, pedorthists, and foot orthotists. **Free of toluene and MEK.**

#### MATERIALS:

All materials used for repairing or producing shoes and orthotics/prosthetics like leather, rubber, EVA, TR, felt, cork, compact PE/PP, metal, etc. can be bonded, but not on plastified PVC. To bond natural rubber mix the cement with 5-10 % hardener =C=. To bond PVC use Renia - Syntic-TOTAL or Renia-Colle de Cologne =All Purpose Cement.

#### INSTRUCTIONS:

Grind all materials and coat them with Ortec until you can see a layer of cement. Sometimes, you have to coat leather and other porous materials twice. **PE - PP:** No special preparation necessary. **TR** (Thermoplastic Rubber): Clean with acetone. Certain TR types need to be halogenated with Rehagol and bonded with Syntic-TOTAL or Colle de Cologne. **PUR** (Polyurethane): After grinding, press the material with absorbent paper to remove the water. Then coat it with Renia-Primer for PUR and the adhesive without delay. Because of the long open time, this cement is ideal for use in larger series. The cement is also free from typical allergenes.

#### POT-LIFE:

About 8 hours when 5-10% hardener is added.

#### OPEN ASSEMBLY TIME:

Depends on the material: 5 - 60 minutes (TR 5-30 minutes). Ortec can be dried with an infrared lamp or a heat gun: IR-Lamp 176 °F: 3 minutes, shock-activator: 3 seconds.

#### PRESSURE:

15 - 60 psi depending on the material

15 psi minimum time 60 seconds, 45 psi minimum time 15 seconds

#### HIGHLIGHTS:

Because of its fast crystallisation and high green strength of Ortec it is possible to handle the bonded pieces after 1 hour. The heat resistance is high enough to trim or buffer the sole or heel. The bonding strength increases continuously during the first two days. Adding 5-10 % hardener greatly increases the resistance against heat, oil, and other chemical influences.

#### SHELF-LIFE:

Minimum 12 months at 68 °F

#### THINNER:

RENIA - Schnellkleber-Verdünner (All-Purpose-Thinner), no acetone!

#### CLEANING:

Clean equipment (glue-container, brush, etc.) with RENIA-Schnellkleber-Verdünner (thinner) or acetone.

#### LABELLING:

Hazard class	:	3	Packing Group	:	III
HMIS	:	1/4/1/C	UN	:	1133
NFPA	:	1/4/0/			

#### PACKAGES:

Number	Package	Net-Contents	Unit per Box
170461	1/4 Gal can	1/4 Gal = 1.7 lbs	24 cans
170484	1 Gal can	1 Gal = 6.8 lbs	6 cans
170415	5 Gal can	5 Gal = 34.2 lbs	1 can1