



CYANOACRYLATES ADHESIVES

- easy to apply – can be used on the one of bonding surface
- aesthetic, clean, transparent instant adhesives grade
- bonding a wider range of materials
- quick curing process
- excellent stability
- economical wear
- high resistance

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INSTANT ADHESIVES

Chester Molecular single component instant adhesives are ideal for general purposes. They are for bonding parts made from materials including plastics, rubber, metal, ceramics, glass, wood, paper, textile and leather. These adhesives cure very quickly in the condensed humidity condition. Initiating the curing reaction is in a matter of seconds. The best results of bonding are available at room temperature when the humidity is 50-60%.

Chester instant adhesives allows to obtain of the adhesive joints when bonding a wider range of materials with different properties. Used with Chester instant adhesives CH-2 Primer bonds polyolefin and silicone rubbers.

– properties:

| | Product description | Viscosity [mPa s] | Curing time [s] | | | Shearing stress [MPa] | | | Max gap size [mm] |
|--------------|---|-------------------|-----------------|--------|----------------|-----------------------|------|----------------|-------------------|
| | | | steel | PCV | poly-carbonate | steel | PCV | poly-carbonate | |
| CH-01 | General purpose, recommended for use on absorptive surfaces, cure when is low humidity | 80-120 | 5-25 | 2-10 | 10-45 | 15-25 | 5-20 | 5-20 | 0,1 |
| CH-06 | Recommended for plastics and rubber, when used with CH-2 Primer bonds polyolefin | 15-25 | 10-30 | 2-10 | 10-45 | 15-25 | 5-8 | 2-4 | 0,05 |
| CH-10 | General purpose, high viscosity, reinforced with rubber, vibration and high humidity resistant | 2700-3900 | 50-120 | 40-110 | 30-100 | 18-22 | 5-8 | 5-8 | 0,05 |
| CH-20 | General purpose, low viscosity, recommended for use on well fitting parts and units | 1-3 | 5-30 | 2-10 | 10-60 | 15-25 | 5-20 | 5-20 | 0,04 |
| CH-22 | General purpose, high viscosity, recommended for use on vertical or overhead surfaces and big gap sizes | 2100-2900 | 10-50 | 25-50 | 20-90 | 15-25 | 5-20 | 5-20 | 0,25 |
| CH-54 | General purpose, recommended for use on absorptive surfaces, tixotropic, cure when is low humidity | gel | 5-25 | 2-10 | 10-45 | 15-25 | 5-20 | 5-20 | 1,0 |
| CH-60 | Free from irritating odors (no odor), not leave the whit mark on material (low bloom) | 40-60 | 30-80 | 20-60 | 15-70 | 15-25 | 5-8 | 2-10 | 0,06 |

CH-2 Primer for difficult to bond plastics (such as PE, PP, silicone rubber, ABS, PTFE)

– application fields:

| | CH-01 | CH-06 | CH-10 | CH-20 | CH-22 | CH-54 | CH-60 |
|---|-------|-------|-------|-------|-------|-------|-------|
| RUBBER | ● ● | ● ● | ● ● | ● | ● | | ● |
| METALS | ● | ● | ● ● | ● ● | ● | | ● |
| WOOD | ● ● | ● | ● | | ● ● | ● ● | ● |
| PLASTICS | ● ● | ● | ● | ● | ● | ● | ● |
| POLYOLEFINS and others difficult for bonding | | ● ● ■ | | | | | ● ■ |
| PAPER | ● | ● | ● | | ● | ● ● | |
| FABRICS | ● | ● | ● ● | | ● ● | ● | ● |
| CERAMICS | ● | | | | ● | ● ● | ● |
| LEATHERS | ● | ● | ● ● | | ● ● | ● | |

● - good ●● - excellent ■ - use Primer CH-2