



Chatelier Infrastructure Services

Architectural & Decorative Coatings

Multiclear

Description:

Multiclear is an exterior/interior Acrylic Urethane - a unique waterbased clear that contains hydroxyl groups that can be crosslinked to achieve outstanding performance.

Multiclear exhibits excellent durability, ultra-violet light resistance and is highly recommended for exterior applications - along with exceptional hardness, tensile strength, abrasion resistance - while maintaining a balance of flexibility.

Chemical Curing:

Abrasion and chemical resistances are extremely good when allowed to air dry. Considerable improvements are achieved when combined with 2-4 % by weight Multiclear 'B', forming a 2 pack crosslinking system.

Properties:

- Multiclear compares favorably with high performance 2 pack conventional solvent-born Urethane Lacquers.
- Environmentally friendly - no toxic solvent fumes.
- Self-leveling - achieving smooth gloss or satin finish.
- Outstanding adhesion to a wide variety of substrates.
- Exceptional toughness, flexibility and abrasion resistance.
- Excellent glaze system over Multifleck.



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Uses:

Multiclear should be used over all types of substrates where hardwearing low dirt pick up properties, along with additional durability, abrasion and scrubability resistance, are required. Over Multifleck, furniture, wood, displays and reception counters, floors, walls, etc. in offices, schools, hospitals, shopping malls, building complexes, shops, hotels, apartments, food processing areas, freezing works, meat and dairy industries, dairy companies to suit MAF requirements.

Finish: Clear finish - gloss, Satin or semi Gloss

Applied By: roller, brush, spray, and airless spray

Coverage: 10m² per litre (depending on number of coats or substrate porosity)

Dilution:

Use as supplied (dilute 10% in extreme hot conditions to maintain wet edge - dilute 20% for spray applications)

Clean Up:

Water.



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Application:

Multiclear can be applied as supplied and allowed to air dry. for a harder more durable finish, Multiclear should be mixed with its crosslinking hardener Multiclear "B" between 2-4% apply using mohair roller or brush. maintaining good wet edge, laying off evenly in one direction. Add 10% water in extremely hot climate conditions (avoid foam rollers, they tend to cause aeration problems).

Spray Application:

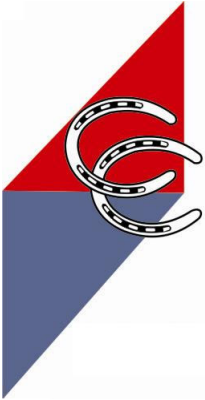
Mix a & B together, add 20% water. apply 1 light coat - allow 10 minutes to tack, then immediately apply second coat - allow 10 minutes to tack, then repeat third coat as required.

Recoating after 8 hours - will require complete sanding due to chemical resistance of Multiclear.

Mixing:

for optimum performance use 4% Multiclear 'B' to each 1 litre Multiclear 'A', add 46 mls (40 grams by weight) of Multiclear part 'B'. Mix well together. use with 4-8 hours after preparation, dependent on ambient temperatures.

After 4-8 hours, Multiclear can still be used as the hydrolysed product has no adverse effect on either the liquid Multiclear or the dried film. additional Hardener 'B' can be added to restore activity. Rates at 4% by weight should be used. Should more than 4% hardener be used, pot life will be decreased.



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Dry Times;

Touch Dry - 20 minutes

Thorough Dry - 1 1/2 Hours

Sward Hardness Developed:

4 Hours	12
8 Hours	28
24 Hours	38
7 Days	44

Health & Safety:

Keep skin clean - use barrier creams on hands before use.

Multiclear 'A' waterbased (non-hazardous)

Multiclear 'B' mixed, use with adequate ventilation. When spraying in confined areas use approved respirator with organic vapour cartridge.