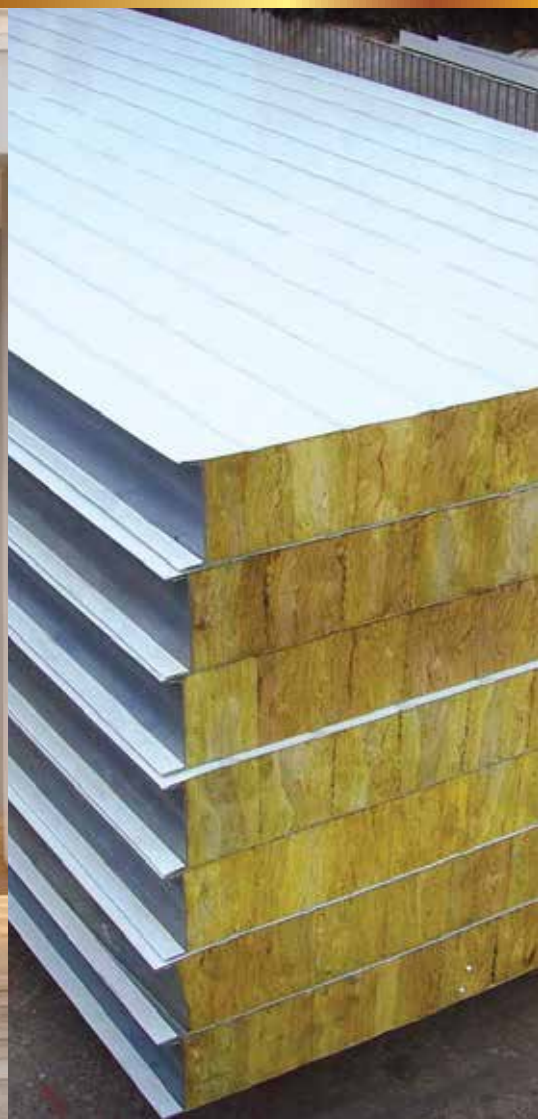


COLTECH® A-series

Adhesives for Industrial Assembly

Coltech products used for composite assembly applications



COLTECH® A-series

COLTECH A160®/A170®

Hard Elastic Polyurethane Adhesive

COLTECH A160®/COLTECH A170®

COLTECH A1700®/COLTECH A1600® are two components, solvent free, hard elastic polyurethane adhesives. They provide excellent elasticity, impact resistance, durability and chemical resistance properties with minimum shrinkage.

COLTECH A1700®/COLTECH A1600® can be applied manually (trowel, roller, etc.) or by plural component mixing and spraying equipment. Cure by reaction (cross linking) of the two components even at very low temperatures.



Uses

COLTECH A1700®/COLTECH A1600® are a specialized polyurethane adhesives for production of external doors in form of sandwich elements / composite panels comprising:

- Aluminum, Steel, Wood
- Expanded Polystyrene (EPS), Extruded Polystyrene (XPS), Polyurethane foam (PUR/PIR)

Suitable for the production of panels for exterior applications including seaside and other high humidity applications. Also suitable for the production of refrigerator panels. Also suitable for filling / casting applications.

Advantages

- Solvent free
- Shore A 60–70
- Variable pot life depending on requirement
- Cold curing
- Minimum shrinkage
- High impact strength
- Moisture & water resistant
- Chemical resistant
- Over 20 years of positive feedback worldwide

Target Customers

Manufacturing companies of **external doors**

Manufacturing companies of **façade cladding panels**



PRODUCT	COMPONENTS	APPLICATION	FILM PROPERTIES	MIXING RATIO	FOAM BEHAVIOUR	COLOR	POT LIFE	REMARKS
A1600	Two Component	Panel Assembly Aluminium, Steel, Wood	Tough Elastic	5:1 PBWeight	No foaming	Beige	1–40min	Processed with 2k automatic distensing machine with mixing ratio 5:1
A1700	Two Component	Panel Assembly Aluminium, Steel, Wood	Semi Hard	4:1 PBWeight	No foaming	Beige	1–40min	Processed with 2k automatic distensing machine with mixing ratio 4:1

COLTECH® A-series

COLTECH A173®

Hard Elastic Polyurethane Adhesive
Semi-Thixotropic

COLTECH A173®

COLTECH A173® is a two component, semi-thixotropic, solvent free, hard elastic, polyurethane adhesive. It provides excellent elasticity, impact resistance, durability and chemical resistance properties with minimum shrinkage.

COLTECH A173® can be applied manually (trowel, roller, etc.) or by plural component mixing and spraying equipment. Cures by reaction (cross linking) of the two components even at very low temperatures.



Uses

COLTECH A173® is a specialized polyurethane adhesive for assembly of aluminum honeycomb-core composite panels using:

- Aluminium, Steel, Wood
- Aluminium Honeycomb

Advantages

- Solvent free
- Semi-thixotropic
- Shore A 80
- Variable pot life depending on requirement
- Cold curing
- Minimum shrinkage
- High impact strength
- Moisture & water resistant
- Chemical resistant
- Over 20 years of positive feedback worldwide



Target Customers

Production companies of honeycomb core cladding panels

COLTECH® A-series

COLTECH A165®

Hard Elastic Polyurethane Adhesive, Thixotropic

COLTECH A165®

COLTECH A165® is a two components, thixotropic, solvent free, hard elastic polyurethane adhesive. It provides excellent impact resistance, durability and chemical resistance properties with minimum shrinkage.

COLTECH A165® is applied manually and cures by reaction (cross linking) of the two components even at very low temperatures.



Uses

COLTECH A165® is a general use thixotropic (paste-like) polyurethane adhesive for composite assembly and/or high humidity resistance bonding using:

- Aluminum, Steel, Wood
- Expanded Polystyrene (EPS), Extruded Polystyrene (XPS), Polyurethane foam (PUR/PIR)
- Concrete, Cement board, Calcite board

Suitable for the production of refrigerator panels. Suitable for the production of panels for exterior applications including seaside and other high humidity applications.

Advantages

- Solvent free
- Thixotropic
- Shore A 80
- Variable pot life depending on requirement
- Cold curing
- Minimum shrinkage
- High impact strength
- Moisture & water resistant
- Chemical resistant
- Over 20 years of positive feedback worldwide



Target Customers

Production companies of refrigerator trucks

Production companies that use high humidity resistance adhesives for composite & general assembly

COLTECH® A-series

COLTECH A180®

Hard Elastic Polyurethane Adhesive
Plastics (PVC or ABS)

COLTECH A180®

COLTECH A180® is a two component, solvent free, hard elastic, polyurethane adhesive. It provides excellent impact resistance, durability and chemical resistance properties with minimum shrinkage.

COLTECH A180® can be applied manually (trowel, roller, etc.) or by plural component mixing and spraying equipment. Cures by reaction (cross linking) of the two components even at very low temperatures.



Uses

COLTECH A180® is a polyurethane adhesive specially developed for the adhesion of difficult to adhere plastics. It is mainly used in production of sandwich elements / Composite Panels comprising:

- PVC, ABS with
 - Expanded Polystyrene (EPS), Extruded Polystyrene (XPS)
 - Polyurethane foam (PUR/PIR).
- Suitable for use with
- Aluminum, Steel, Wood, Cement boards

Suitable for the production of refrigerator panels. Suitable for the production of panels for exterior applications including seaside and other high humidity applications.

Advantages

- Solvent free
- Excellent adhesion to plastics (PVC and ABS)
- Shore A 80
- Variable pot life depending on requirement
- Cold curing
- Minimum shrinkage
- High impact strength
- Moisture & water resistant
- Chemical resistant
- Over 20 years of positive feedback worldwide



Target Customers

Manufacturing companies of plastic finished internal doors

Manufacturing companies of other PVC / ABS finish Composites

COLTECH® A-series

COLTECH A150®

Hard Elastic Polyurethane Adhesive
Flame Retardant, IMO Certified

COLTECH A150®

COLTECH A150® is a two component, solvent free, flame retardant, hard elastic polyurethane adhesive. It provides excellent adhesion, impact resistance, durability and chemical resistance properties with minimum shrinkage.

COLTECH A150® can be applied manually (trowel, roller, etc) or by plural component mixing and spraying equipment. Cures by reaction (cross linking) of the two components even at very low temperatures.



Uses

COLTECH A150® is a specialized polyurethane adhesive for production of sandwich elements / composite panels with flame retardant properties using:

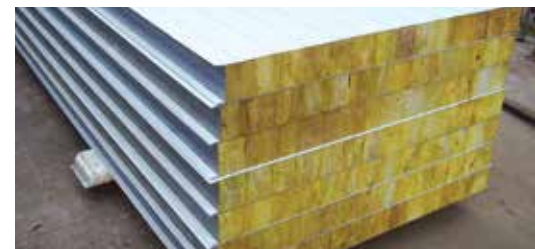
- Aluminum
- Steel
- Polyisocyanurate (PIR)
- Mineral Wool
- Mineral Insulation Blocks
- Honeycomb

Suitable for the production of wall panels for use in marine applications where flame retardant properties are needed. Also suitable for refrigerator panels and panels for exterior applications including seaside and other high humidity applications.

Advantages

- Solvent free
- Flame retardant
- Shore A 80
- Variable pot life depending on requirements
- Cold curing
- High impact strength & vibration resistance
- Moisture & water resistant
- Chemical resistant
- Over 20 years of positive feedback worldwide

**Certified by the Det Norske Veritas (DNV)
with MED-B certificate No 164.112/EC0575/4948
by DNV (0575/03)**



Target Customers

Production companies of Wall Panels for use in the Marine & Shipbuilding Industry

COLTECH® Industrial Business Units



Adhesives for Industrial Assembly and Professional Use



Casting Resins for production of Resin-Casted, Decorative or Functional Objects



Elastomers for Elastic Molds or Elastic Casted Objects



Potting, Insulating Resins for use in the production of Electro / Electronic parts



Adhesives / Resins used for the Assembly of Filter Elements



Specialized Coatings for various Industrial Applications





Superior technology, performance proven

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