Provisional Product Data Sheet

Version 01/2013 (05/2013)

R

SikaFast®-5215 NT

Fast-Curing, Two-Part Structural Adhesive

SikaFast*-5210 NT SikaFast*-5200 NT Chemical Base Acrylate Colour (CQP*001-1) White Black Colour - Mixed Grey Cure Mechanism Radical polymerisation Density (CQP 006-4) 1.14 kg/L 1.48 kg/L Density - Mixed (Calculated) 1.71 kg/L 1.48 kg/L Mixing Ratio By wolume By weight 10 : 1.3 Consistency Thixotropic paste Application Temperature 5-°C to 40-°C Open Time? (CQP 526-2) 5 minutes approx Store A-Hardness (CQP 023-1/ISO 868) 90 approx Shore A-Hardness (CQP 036-1/ISO 37) 10 MPa approx Elongation at Break² (CQP 036-1/ISO 37) 200% approx Tensile Lap-Sheer Strength² 10 MPa approx Tensile Lap-Sheer Strength² 10 MPa approx CQP 46-6/ISO 4587) 60-°C approx Glass transition temperature -40-°C to 80-°C Sherif Lieg ¹ (CQP 016-1) 50 ml cartridge - 15 months 250 MP = 2007orate Quality Procedures; ² 23-°C and 50% Relative Houridity; ³ Stored at temperatures below 25-°C and not exposed to direct sunlight. * CQP = C	Technical Data			Comp. A:	Comp. B:		
Colour (CQP' 001-1) Colour - Mixed White Black Colour - Mixed Grey Grey Cure Mechanism Radical polymerisation Density (CQP 006-4) 1.14 kg/L 1.48 kg/L Density (CQP 006-4) 1.17 kg/L 1.48 kg/L Density - Mixed (Calculated) 1.17 kg/L Mixing Ratio By weight 10 : 1 3 Consistency Thixotropic paste Application Temperature 5°C to 40°C Open Time? (CQP 526-2) 5 minutes approx Shore A-Hardness (CQP 023-1/ISO 868) 90 approx Shore A-Hardness (CQP 023-1/ISO 37) 10 MPa approx Elongation at Break? (CQP 036-1/ISO 37) 200% approx Elongation at Break? (CQP 036-1/ISO 37) 200% approx Elastic Modulus? (CQP 036-1/ISO 37) 250 MPa approx Elongation at Break? (CQP 036-1/ISO 37) 200% approx Elastic Modulus? (CQP 036-1/ISO 37) 10 MPa approx Glass transition temperature 60°C approx (CQP 046-6/ISO 4587) 10 MPa approx Stored at temperatures below 25°C and not exposed to direct sunlight. * CQP = Corporate Quality Procedures; *23°C and 50% Relative Humidity; * Stored at temperatures below 25°C and not exposed to dinect sunlight. * C					SikaFast®-5200		
Colour - Mixed Grey Cure Mechanism Radical polymerisation Density (CQP 006-4) 1.14 kg/L 1.48 kg/L Density - Mixed (Calculated) 1.17 kg/L Mixing Ratio By volume 10 : 1 Mixing Ratio By weight 10 : 1.3 Consistency Thixotropic paste Application Temperature 5°C to 40°C Open Time² (CQP 526-2) 5 minutes approx Set Time (Time to reach 80% of final strength) 15 minutes approx Shore A-Hardness (CQP 023-1/ISO 868) 90 approx Shore A-Hardness (CQP 036-1/ISO 37) 10 MPa approx Elongation at Break² (CQP 036-1/ISO 37) 200% approx Elongation at Break² (CQP 036-1/ISO 37) 200 MPa approx Elastic Modulus² (CQP 036-1/ISO 37) 200 MPa approx Elongation at Break² (CQP 036-1/ISO 37) 10 MPa approx Elongation at Break² (CQP 036-1/ISO 37) 200% approx Elastic Modulus² (CQP 036-1/ISO 37) 10 MPa approx Elongation at Break² (CQP 036-1/ISO 37) 200% approx Elastic Modulus² (CQP 036-1/ISO 37) 200 MPa approx Elongation at Break² (CQP 036-1/ISO 37) 200 MPa approx Elongation at Break² (CQP 036-1/ISO 37) 10 MPa approx 60°		Chemical Base		Acrylate			
Cure Mechanism Radical polymerisation Density (CQP 006-4) 1.14 kg/L 1.48 kg/L Density - Mixed (Calculated) 1.17 kg/L Mixing Ratio By volume By weight 10 : 1 Consistency Thixotropic paste Application Temperature 5°C to 40°C Open Time? (CQP 526-2) 5 minutes approx Set Time (Time to reach 80% of final strength) 15 minutes approx Shore A-Hardness (CQP 023-1/ISO 868) 90 approx Shore A-Hardness (CQP 036-1/ISO 37) 10 MPa approx Elongation at Break? (CQP 036-1/ISO 37) 200% approx Tensile Strength2 (CQP 036-1/ISO 37) 200 MPa approx Elastic Modulus? (CQP 036-1/ISO 37) 200 MPa approx Tensile Lap-Shear Strength2 (CQP 406-1/ISO 457) 10 MPa approx Glass transition temperature (CQP 409-1/ISO 6721-2) 60°C approx Service Temperature -40°C to 80°C Shelf Life³ (CQP 016-1) 50 ml cartridge - 15 months ¹ CQP = Corporate Quality Procedures; ² 23°C and 50% Meatingty; ³ Stored at temperatures below 25°C and not exposed to direct sunlight. Pescription SikaFast*-5215 NT is a fast-curing, flexibilized, two-component structural achesive, based on Sika's Acrylic Double Performance (ADP) polymer technology. Unc				White Black			
Density (CQP 006-4) 1.14 kg/L 1.48 kg/L Density - Mixed (Calculated) 1.17 kg/L Mixing Ratio By volume By weight 10 : 1 Consistency Thixotropic paste Application Temperature 5°C to 40°C Open Time² (CQP 526-2) 5 minutes approx Set Time (Time to reach 80% of final strength) 15 minutes approx Shore A-Hardness (CQP 023-1/ISO 868) 90 approx Shore D-Hardness (CQP 036-1/ISO 37) 10 MPa approx Elongation at Break? (CQP 036-1/ISO 37) 200% approx Tensile Strength² (CQP 036-1/ISO 37) 200 MPa approx Elongation at Break? (CQP 036-1/ISO 37) 200 MPa approx Elastic Modulus² (CQP 036-1/ISO 37) 250 MPa approx CQP 046-6/ISO 4587) 10 MPa approx Glass transition temperature (CQP 509-1/ISO 6721-2) 60°C approx Service Temperature -40°C to 80°C Shelf Life³ (CQP 016-1) 50 ml cartridge - 9 months 250 ml cartridge - 9 months ¹ CQP = Corporate Quality Procedures; ² 23°C and 50% Relative Humidity; ³ Stored at temperatures below 25°C and not exposed to direct sunlight. Description SikaFast ⁶ -5215 NT is a fast-curing, flexibilized, two-component				Grey			
Density - Mixed (Calculated) 1.17 kg/L Mixing Ratio By volume By weight 10 : 1 Mixing Ratio By volume By weight 10 : 1.3 Consistency Thixotropic paste Application Temperature 5°C to 40°C Open Time? (CQP 526-2) 5 minutes approx Shore A-Hardness (CQP 023-1/ISO 868) 90 approx Shore D-Hardness (CQP 023-1/ISO 868) 50 approx Tensile Strength² (CQP 036-1/ISO 37) 200% approx Elongation at Break? (CQP 036-1/ISO 37) 200% approx Elastic Modulus² (CQP 036-1/ISO 37) 200 MPa approx Glass transition temperature (CQP 046-6/ISO 4587) 10 MPa approx Glass transition temperature 60°C approx Stored at temperatures below 25°C and not exposed to direct sunlight. * CQP = Corporate Quality Procedures; *23°C and 50% Relative Humidity; * Stored at temperatures below 25°C and not exposed to direct sunlight. Desc		Cure Mechanism		Radical polymerisation			
Mixing Ratio By volume By weight 10 : 1 10 : 1.3 Consistency Thixotropic paste Application Temperature 5°C to 40°C Open Time ² (CQP 526-2) 5 minutes approx Set Time (Time to reach 80% of final strength) 15 minutes approx Shore A-Hardness (CQP 023-1/ISO 868) 90 approx Shore D-Hardness (CQP 036-1/ISO 37) 10 MPa approx Elongation at Break ² (CQP 036-1/ISO 37) 200% approx Elongation at Break ² (CQP 036-1/ISO 37) 200% approx Elastic Modulus ² (CQP 036-1/ISO 37) 200% approx Elastic Modulus ² (CQP 036-1/ISO 37) 200% approx Tensile Lap-Shear Strength ² 10 MPa approx (CQP 046-6/ISO 4587) 60°C approx Glass transition temperature -40°C to 80°C Shelf Life ³ (CQP 016-1) 50 ml cartridge - 15 months 250 ml cartridge - 9 months ¹ CQP = Corporate Quality Procedures; ² 23°C and 50% Relative Humidity; ^a Stored at temperatures below 25°C and not exposed to direct sunlight. Description SikaFast ^a -5215 NT is a fast-curing, flexibilized, two-component structural adhesive, based on Sika's Acrylic Double Performance (ADP) polymer technology. Uncured SikaFast ^a -5215 NT is a pasty, non-sag, hardly inflammable material which allows for easy and precise application. SikaFast ^a -5215 NT is a pasty		Density (CQP 006-4)	Density (CQP 006-4) 1.14		1.48 kg/L		
By weight 10 : 1.3 Consistency Thixotropic paste Application Temperature 5°C to 40°C Open Time² (CQP 526-2) 5 minutes approx Set Time (Time to reach 80% of final strength) 15 minutes approx Shore A-Hardness (CQP 023-1/ISO 868) 90 approx Shore A-Hardness (CQP 036-1/ISO 37) 10 MPa approx Elongation at Break² (CQP 036-1/ISO 37) 200% approx Elongation at Break² (CQP 036-1/ISO 37) 200% approx Elastic Modulus² (CQP 036-1/ISO 37) 200% approx Elastic Modulus² (CQP 036-1/ISO 37) 200% approx Tensile Lap-Shear Strength² 10 MPa approx (CQP 046-6/ISO 4587) 60°C approx Glass transition temperature 60°C approx (CQP 59-1/ISO 6721-2) 50 ml cartridge - 15 months Service Temperature -40°C to 80°C Shelf Life³ (CQP 016-1) 50 ml cartridge - 9 months ¹ CQP = Corporate Quality Procedures; ² 23°C and 50% Relative Humidity; ² Stored at temperatures below 25°C and not exposed to direct sunlight. Description SikaFast®-5215 NT is a fast-curing, flexibilized, two-component structural adhesive, based on SikaFast®-5215 NT is manufactured in acc		Density - Mixed (Calculated)		1.17 kg/L			
Application Temperature 5°C to 40°C Open Time² (CQP 526-2) 5 minutes approx Set Time (Time to reach 80% of final strength) 15 minutes approx Shore A-Hardness (CQP 023-1/ISO 868) 90 approx Shore D-Hardness (CQP 036-1/ISO 37) 10 MPa approx Elongation at Break² (CQP 036-1/ISO 37) 200% approx Elongation at Break² (CQP 036-1/ISO 37) 250 MPa approx Elastic Modulus² (CQP 036-1/ISO 37) 250 MPa approx Elastic Modulus² (CQP 036-1/ISO 37) 250 MPa approx Glass transition temperature (CQP 466-6/ISO 4587) 60°C approx Glass transition temperature (CQP 509-1/ISO 6721-2) 50 ml cartridge - 15 months Service Temperature -40°C to 80°C Shelf Life³ (CQP 016-1) 50 ml cartridge - 9 months 1 CQP = Corporate Quality Procedures; 223°C and 50% Relative Humidity; 3 Stored at temperatures below 25°C and not exposed to direct sunlight. Description SikaFast®-5215 NT is a fast-curing, flexibilized, two-component structural adhesive, based on Sika's Acrylic Double Performance (ADP) polymer technology. Uncured SikaFast®-5215 NT is a pasty, non-sag, hardly inflammable material which allows for easy and precise application. SikaFast®-5215 NT is manufactured in accordance with the ISO 9001/14001 quality assurance system. Product Benefits Strength development within minutes of application; Adhesion		Mixing Ratio					
Open Time ² (CQP 526-2) 5 minutes approx Set Time (Time to reach 80% of final strength) 15 minutes approx Shore A-Hardness (CQP 023-1/ISO 868) 90 approx Shore D-Hardness (CQP 036-1/ISO 37) 10 MPa approx Tensile Strength ² (CQP 036-1/ISO 37) 200% approx Elongation at Break ² (CQP 036-1/ISO 37) 200% approx Elastic Modulus ² (CQP 036-1/ISO 37) 250 MPa approx Elastic Modulus ² (CQP 036-1/ISO 37) 250 MPa approx Tensile Lap-Shear Strength ² 10 MPa approx (CQP 046-6/ISO 4587) 60°C approx Glass transition temperature 60°C approx (CQP 509-1/ISO 6721-2) Service Temperature Service Temperature -40°C to 80°C Shelf Life ³ (CQP 016-1) 50 ml cartridge - 15 months ¹ CQP = Corporate Quality Procedures; ² 23°C and 50% Relative Humidity; ³ Stored at temperatures below 25°C and not exposed to direct sunlight. Description SikaFast ⁶ -5215 NT is a fast-curing, flexibilized, two-component structural adhesive, based on Sika's Acrylic Double Performance (ADP) polymer technology. Uncured SikaFast ⁶ -5215 NT is a pasty, non-sag, hardly inflammable material which allows for easy and precise application. SikaFast ⁶ -5215 NT is manufactured in accordance with the ISO 9001/14/001 quality assurance system. Product Benefits		Consistency		Thixotropic paste			
Set Time (Time to reach 80% of final strength) 15 minutes approx Shore A-Hardness (CQP 023-1/ISO 868) 90 approx Shore D-Hardness (CQP 036-1/ISO 37) 10 MPa approx Tensile Strength ² (CQP 036-1/ISO 37) 200% approx Elongation at Break ² (CQP 036-1/ISO 37) 200% approx Elastic Modulus ² (CQP 036-1/ISO 37) 200% approx Elastic Modulus ² (CQP 036-1/ISO 37) 250 MPa approx Tensile Lap-Shear Strength ² 10 MPa approx (CQP 046-6/ISO 4587) 10 MPa approx Glass transition temperature 60°C approx (CQP 509-1/ISO 6721-2) Service Temperature Service Temperature -40°C to 80°C Shelf Life ³ (CQP 016-1) 50 ml cartridge - 15 months 250 ml cartridge - 9 months ¹ CQP = Corporate Quality Procedures; ² 23°C and 50% Relative Humidity; ³ Stored at temperatures below 25°C and not exposed to direct sunlight. Description SikaFast [®] -5215 NT is a fast-curing, flexibilized, two-component structural adhesive, based on Sika's Acrylic Double Performance (ADP) polymer technology. Uncured SikaFast [®] -5215 NT is a pasty, non-sag, hardly inflammable material which allows for easy and precise application. SikaFast [®] -5215 NT is a maty. Solvent- and acid-free; Solvent- and acid-free; Product Benefits • Strength development within minutes of application; • Adhesion t		Application Temperature		5°C to 40°C			
Shore A-Hardness (CQP 023-1/ISO 868) 90 approx Shore D-Hardness (CQP 023-1/ISO 868) 50 approx Tensile Strength2 (CQP 036-1/ISO 37) 10 MPa approx Elongation at Break2 (CQP 036-1/ISO 37) 200% approx Elastic Modulus2 (CQP 036-1/ISO 37) 200% approx Elastic Modulus2 (CQP 036-1/ISO 37) 200% approx Elastic Modulus2 (CQP 036-1/ISO 37) 200% approx Tensile Lap-Shear Strength2 10 MPa approx (CQP 046-6/ISO 4587) 60°C approx Glass transition temperature 60°C approx (CQP 509-1/ISO 6721-2) Service Temperature Service Temperature -40°C to 80°C Shelf Life3 (CQP 016-1) 50 ml cartridge - 15 months 250 ml cartridge - 9 months 1 CQP = Corporate Quality Procedures; 2 23°C and 50% Relative Humidity; 3 Stored at temperatures below 25°C and not exposed to direct sunlight. Description SikaFast®-5215 NT is a fast-curing, flexibilized, two-component structural adhesive, based on Sika's Acrylic Double Performance (ADP) polymer technology. Uncured SikaFast®-5215 NT is a pasty, non-sag, hardly inflammable material which allows for easy and precise application. SikaFast®-5215 NT is manufactured in accordance with the ISO 9001/14001 quality assurance system. Product Benefits Strength development within minutes of application; Adhesion to a wide		Open Time ² (CQP 526-2)		5 minutes approx			
Shore D-Hardness (CQP 023-1/ISO 868) 50 approx Tensile Strength2 (CQP 036-1/ISO 37) 10 MPa approx Elongation at Break2 (CQP 036-1/ISO 37) 200% approx Elastic Modulus2 (CQP 036-1/ISO 37) 200 MPa approx Elastic Modulus2 (CQP 036-1/ISO 37) 250 MPa approx Tensile Lap-Shear Strength2 (CQP 046-6/ISO 4587) 10 MPa approx Glass transition temperature (CQP 509-1/ISO 6721-2) 60°C approx Service Temperature -40°C to 80°C Shelf Life3 (CQP 016-1) 50 ml cartridge - 15 months 250 ml cartridge - 9 months ¹ CQP = Corporate Quality Procedures; ² 23°C and 50% Relative Humidity; ³ Stored at temperatures below 25°C and not exposed to direct sunlight. Description SikaFast®-5215 NT is a fast-curing, flexibilized, two-component structural adhesive, based on Sika's Acrylic Double Performance (ADP) polymer technology. Uncured SikaFast®-5215 NT is a pasty, non-sag, hardly inflammable material which allows for easy and precise application. SikaFast®-5215 NT is manufactured in accordance with the ISO 9001/14001 quality assurance system. Product Benefits Strength development within minutes of application; Adhesion to a wide range of substrates with limited or no substrate preparation; High strength- and mipact-resistance; Solvent- and acid-free; Lower odour than MMA-containing products;		Set Time (Time to reach 80% of	of final strength)	15 minutes approx			
Elongation at Break² (CQP 036-1/ISO 37) 200% approx Elastic Modulus² (CQP 036-1/ISO 37) 250 MPa approx Tensile Lap-Shear Strength² 10 MPa approx (CQP 046-6/ISO 4587) 60°C approx Glass transition temperature 60°C approx (CQP 509-1/ISO 6721-2) -40°C to 80°C Service Temperature -40°C to 80°C Shelf Life³ (CQP 016-1) 50 ml cartridge - 15 months 250 ml cartridge - 9 months 1 CQP = Corporate Quality Procedures; 223°C and 50% Relative Humidity; ³ Stored at temperatures below 25°C and not exposed to direct sunlight. Description SikaFast®-5215 NT is a fast-curing, flexibilized, two-component structural adhesive, based on Sika's Acrylic Double Performance (ADP) polymer technology. Uncured SikaFast®-5215 NT is a pasty, non-sag, hardly inflammable material which allows for easy and precise application. SikaFast®-5215 NT is manufactured in accordance with the ISO 9001/14001 quality assurance system. Product Benefits Strength development within minutes of application; Adhesion to a wide range of substrates with limited or no substrate preparation; High strength- and impact-resistance; Solvent- and acid-free; Lower odour than MMA-containing products; Lower odour than MMA-containing products;							
Elastic Modulus² (CQP 036-1/ISO 37) 250 MPa approx Tensile Lap-Shear Strength² 10 MPa approx (CQP 046-6/ISO 4587) 60°C approx Glass transition temperature 60°C approx (CQP 509-1/ISO 6721-2) 50 ml cartridge - 15 months Service Temperature -40°C to 80°C Shelf Life³ (CQP 016-1) 50 ml cartridge - 9 months ¹ CQP = Corporate Quality Procedures; ² 23°C and 50% Relative Humidity; ³ Stored at temperatures below 25°C and not exposed to direct sunlight. Description SikaFast®-5215 NT is a fast-curing, flexibilized, two-component structural adhesive, based on Sika's Acrylic Double Performance (ADP) polymer technology. Uncured SikaFast®-5215 NT is a pasty, non-sag, hardly inflammable material which allows for easy and precise application. SikaFast®-5215 NT is manufactured in accordance with the ISO 9001/14001 quality assurance system. Product Benefits • Strength development within minutes of application; • Adhesion to a wide range of substrates with limited or no substrate preparation; • High strength- and impact-resistance; • Solvent- and acid-free; • Lower odour than MMA-containing products;		Tensile Strength ² (CQP 036-1/	ISO 37)	10 MPa approx			
Tensile Lap-Shear Strength ² 10 MPa approx (CQP 046-6/ISO 4587) 10 MPa approx Glass transition temperature (CQP 509-1/ISO 6721-2) 60°C approx Service Temperature -40°C to 80°C Shelf Life ³ (CQP 016-1) 50 ml cartridge - 15 months 250 ml cartridge - 9 months ¹ CQP = Corporate Quality Procedures; ² 23°C and 50% Relative Humidity; ³ Stored at temperatures below 25°C and not exposed to direct sunlight. Description SikaFast®-5215 NT is a fast-curing, flexibilized, two-component structural adhesive, based on Sika's Acrylic Double Performance (ADP) polymer technology. Uncured SikaFast®-5215 NT is a pasty, non-sag, hardly inflammable material which allows for easy and precise application. SikaFast®-5215 NT is manufactured in accordance with the ISO 9001/14001 quality assurance system. Product Benefits • Strength development within minutes of application; • Adhesion to a wide range of substrates with limited or no substrate preparation; • High strength- and impact-resistance; • Solvent- and acid-free; • Lower odour than MMA-containing products;		Elongation at Break ² (CQP 036	6-1/ISO 37)	200% approx			
Image: CQP 046-6/ISO 4587) Glass transition temperature (CQP 509-1/ISO 6721-2) 60°C approx Service Temperature -40°C to 80°C Shelf Life³ (CQP 016-1) 50 ml cartridge - 15 months 250 ml cartridge - 9 months ¹ CQP = Corporate Quality Procedures; ² 23°C and 50% Relative Humidity; ³ Stored at temperatures below 25°C and not exposed to direct sunlight. Description SikaFast®-5215 NT is a fast-curing, flexibilized, two-component structural adhesive, based on Sika's Acrylic Double Performance (ADP) polymer technology. Uncured SikaFast®-5215 NT is a pasty, non-sag, hardly inflammable material which allows for easy and precise application. SikaFast®-5215 NT is manufactured in accordance with the ISO 9001/14001 quality assurance system. Product Benefits Strength development within minutes of application; Adhesion to a wide range of substrates with limited or no substrate preparation; High strength- and impact-resistance; Solvent- and acid-free; Lower odour than MMA-containing products;		Elastic Modulus ² (CQP 036-1/I	SO 37)	250 MPa approx			
Image: CQP 509-1/ISO 6721-2) Image: CQP 509-1/ISO 6721-2) Service Temperature -40°C to 80°C Shelf Life ³ (CQP 016-1) 50 ml cartridge - 15 months 250 ml cartridge - 9 months ¹ CQP = Corporate Quality Procedures; ² 23°C and 50% Relative Humidity; ³ Stored at temperatures below 25°C and not exposed to direct sunlight. Description SikaFast®-5215 NT is a fast-curing, flexibilized, two-component structural adhesive, based on Sika's Acrylic Double Performance (ADP) polymer technology. Uncured SikaFast®-5215 NT is a pasty, non-sag, hardly inflammable material which allows for easy and precise application. SikaFast®-5215 NT is manufactured in accordance with the ISO 9001/14001 quality assurance system. Product Benefits • Strength development within minutes of application; • Adhesion to a wide range of substrates with limited or no substrate preparation; • High strength- and impact-resistance; • Solvent- and acid-free; • Lower odour than MMA-containing products;				10 MPa approx			
Shelf Life³ (CQP 016-1) 50 ml cartridge - 15 months 250 ml cartridge - 9 months 1 CQP = Corporate Quality Procedures; 223°C and 50% Relative Humidity; 3 Stored at temperatures below 25°C and not exposed to direct sunlight. Description SikaFast®-5215 NT is a fast-curing, flexibilized, two-component structural adhesive, based on Sika's Acrylic Double Performance (ADP) polymer technology. Uncured SikaFast®-5215 NT is a pasty, non-sag, hardly inflammable material which allows for easy and precise application. SikaFast®-5215 NT is manufactured in accordance with the ISO 9001/14001 quality assurance system. Product Benefits Strength development within minutes of application; Adhesion to a wide range of substrates with limited or no substrate preparation; High strength- and impact-resistance; Solvent- and acid-free; Lower odour than MMA-containing products;				60°C approx			
250 ml cartridge - 9 months ¹ CQP = Corporate Quality Procedures; ² 23°C and 50% Relative Humidity; ³ Stored at temperatures below 25°C and not exposed to direct sunlight. Description SikaFast®-5215 NT is a fast-curing, flexibilized, two-component structural adhesive, based on Sika's Acrylic Double Performance (ADP) polymer technology. Uncured SikaFast®-5215 NT is a pasty, non-sag, hardly inflammable material which allows for easy and precise application. SikaFast®-5215 NT is manufactured in accordance with the ISO 9001/14001 quality assurance system. Product Benefits Strength development within minutes of application; Adhesion to a wide range of substrates with limited or no substrate preparation; High strength- and impact-resistance; Solvent- and acid-free; Lower odour than MMA-containing products; 		Service Temperature		-40°C to 80°C			
³ Stored at temperatures below 25°C and not exposed to direct sunlight. Description SikaFast®-5215 NT is a fast-curing, flexibilized, two-component structural adhesive, based on Sika's Acrylic Double Performance (ADP) polymer technology. Uncured SikaFast®-5215 NT is a pasty, non-sag, hardly inflammable material which allows for easy and precise application. SikaFast®-5215 NT is manufactured in accordance with the ISO 9001/14001 quality assurance system. Product Benefits Strength development within minutes of application; Adhesion to a wide range of substrates with limited or no substrate preparation; High strength- and impact-resistance; Solvent- and acid-free; Lower odour than MMA-containing products; 		Shelf Life ³ (CQP 016-1)					
based on Sika's Acrylic Double Performance (ADP) polymer technology. Uncured SikaFast®-5215 NT is a pasty, non-sag, hardly inflammable material which allows for easy and precise application. SikaFast®-5215 NT is manufactured in accordance with the ISO 9001/14001 quality assurance system. Product Benefits Strength development within minutes of application; Adhesion to a wide range of substrates with limited or no substrate preparation; High strength- and impact-resistance; Solvent- and acid-free; Lower odour than MMA-containing products; 							
 Adhesion to a wide range of substrates with limited or no substrate preparation; High strength- and impact-resistance; Solvent- and acid-free; Lower odour than MMA-containing products; 	Description	based on Sika's Acrylic Double Performance (ADP) polymer technology. Uncured SikaFast®-5215 NT is a pasty, non-sag, hardly inflammable material which allows for easy and precise application. SikaFast®-5215 NT is manufactured in accordance with					
	Product Benefits	 Adhesion to a wide range of substrates with limited or no substrate preparation; High strength- and impact-resistance; Solvent- and acid-free; Lower odour than MMA-containing products; 					

SikaFast®-5215 NT

	Areas of Application	SikaFast®-5215 NT is a fast-curing, flexibilized structural adhesive, designed to replace mechanical fixings, such as rivets, screws and welding. It is suitable for high-strength fastening of concealed joints, and exhibits excellent adhesion on different types of substrates, including top-coats, plastics, glass, wood, etc. This product is suitable for experienced professional applicators only. Tests with actual substrates and conditions must be performed to ensure adhesion and material compatibility.					
	Cure Mechanism	SikaFast®-5215 NT cures by radical chain polymerisation when mixed with SikaFast®-5200. Open and Set times are influenced by mixing ratio deviations as well as temperature, i.e. at high temperatures, the Open and Set times are shorter, and vice versa.					
	Chemical Resistance	Cured SikaFast®-5215 NT is resistant to many chemicals. For specific information, contact the Technical Services Department of Sika Industry.					
	Adhesion Results	The following table summar- izes Lap-Shear test results	Adhesion Table (typical values)				
			Material	FM ¹	Value		
		obtained with different	AIMg3	c	10 MPa		
		substrates.	Stainless Steel	c	8 MPa		
		These results are a guide-	El. Galv. Steel	c	10 MPa		
		line; due to the diversity	Glass	C/A	9 MPa		
		of substrates, testing with	ABS	A	8 MPa		
		actual substrates is required to confirm precise values.	PVC	C/S	10 MPa		
		to commit precise values.	PC	0/0 A	10 MPa		
			Lap-shear samples according to ISO 4587 bond-line thickness of 1.5 mm. ¹ Failure Mode: A dhesive, C ohesive, S ubstrate				
ŀ	Surface Preparatior	n Surfaces must be clean, dry and free from grease, oil and dust. Remove all loose particles or residue by thorough cleaning, Due to the diversity of materials, preliminary tests with the actual substrates are required. Advice on specific applications and project-specific surface preparation requirements, including the possible need to use Sika® ADPrep, is available from the Technical Services Department of Sika Industry.					
	Application	SikaFast®-5215 NT is applied in a mixing ratio of 10:1 (+/- 10%) by volume through a 24-elements static mixer. A large volume of adhesive can generate heat by exothermic reaction. To avoid reaching excessive temperatures, bond-line thickness is limited to 3 mm; minimum bond-line thickness is 0.5 mm. The mixed adhesive has an Open Time of approximately 5 minutes and achieves handling strength (Set Time) in approximately 15 minutes. Optimum temperature for the bonding process is between 15°C and 25°C. The approved temperature range for substrate and adhesive is between 5°C and 40°C. The influence of temperature on reactivity must be respected. After the Open Time has elapsed, the bonded parts may no longer be adjusted. When the Set Time is reached, the parts can be moved provided no additional stress is placed on the bond line.					
	Removal	Excess material can best be removed before cure with a dry wipe. Uncured SikaFast®-5215 NT may be removed from tools and equipment with Sika® Remover-208 or other suitable solvent. Cured material can only be removed mechanically. Hands and exposed skin should be washed immediately using Sika® Handclean towels or other suitable industrial hand cleaner and water. Do not use solvents!					
	Further Information	Copy of the following publication is available upon request: Material Safety Data Sheet.					
	Packaging	50 ml dual cartridges; 250 ml dual cartridges.					
	Value Bases	All technical data stated in this Product Data Sheet are laboratory test-based. Current measured values may vary due to factors beyond our influence.					





Health and Safety Information

For information and advice on the safe handling, storage and disposal of chemical products, users should refer to the current Material Safety Data Sheet containing physical, ecological, toxicological and other safety-related data for the appropriate type of substance. Product Data Sheets and Material Safety Data Sheets are available on our website at: www.sika.ca or via your local Sika representative.

Industry



The information, and in particular, the recommendations relating to the application and end-use of Sika products, are given in good faith based on Sika's current knowledge and experience of the products when properly stored, handled and applied under normal conditions, within their shelf life. In practice, the differences in materials, substrates and actual site conditions are such that no warranty in respect of merchantability or of fitness for a particular purpose, nor any liability arising out of any legal relationship whatsoever, can be inferred either from this information, or from any recommendations, or from any other advice offered. The proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. Users should always refer to the most recent issue of the Product Data Sheet for the product concerned, copies of which will be supplied on request or can be accessed in the Internet under www.sika.ca.

Sika Canada Inc.

601 Delmar Avenue Pointe-Claire, QC H9R 4A9 Tel.: 514-697-2610 Fax: 514-697-3910 1-800-689-SIKA www.sika.ca

An ISO 9001 certified company Pointe-Claire : ISO 14001 certified EMS